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*An evaluation of the development and use of a
microcomputer assisted system for planning
individualised adult literacy programmes in an adult
basic education unit*

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LOAD"TUTOR-B"

>LIST

```
10 HIMEH=&7B00
20 *FX11,0
30 *KEY 1"1"
40 *KEY 2"2"
50 *KEY 3"3"
60 VDU23;8202;0;0;0
70 DINSArray$(32):DIMERarray$(6):DIMBarray$(32,6)
80 DIMHarray$(32,6):DIMWeighting%(32)
90 FOR J%=1TO32:FOR I%=1TO6:Barray$(J%,I%)="00":NEXT I%;NEXT J%
100 FOR J%=1TO12:READ SCarray$(J%):NEXT J%
110 FOR J%=1TO6:READ ERarray$(J%):NEXT J%
120 SC%=1:ER%=1:SClimit=12:C2%=0:N%=0
130VDU 26,12
140 VDU129,157,135:PRINT"  MALCH SYSTEM - TUTORS ACCESS"
150 VDU 129,157,135:PRINT"  LITERACY BEHAVIOURS CHECKLIST"
160 PRINT""Do you want to:"
170 PRINT"-----"
180 PRINT""CHR$(129)"f1"CHR$(135)"- Have more information on literacy" " behaviours ?"
190 PRINT""CHR$(129)"f2"CHR$(135)"- Update your student's ratings for" " literacy behaviours ?"
195 PRINT""CHR$(129)"f3"CHR$(135)"- Neither. Escape to Tutors Menu."
200 PRINT""Select using"CHR$(129)"red keys"CHR$(135)"only"
210 J=GET:IF J=50 PROCmodifyp7:CLOSEF0:PROCchoice
215 IF J=51:A%=2:CHAIN"MENU2"
220 IF J<>49:PRINTCHR$(131)"Typing error - try again !":GOTO210
230 PROCbintro:J=SET:GOTO130
240 J=GET
250 END
260DATA"Personal/Individual Relationships (1)"
270DATA" Group Relationships (2)"
280DATA" Domestic and Home (3)"
290DATA" Education/Training (4)"
300DATA" Health (5)"
310DATA" Functional/Job (6)"
320DATA"Consumer matters (7)"
330DATA" Travel (8)"
340DATA" Getting employment/ Being unemployed (9)"
350DATA" Civic/Political (10)"
360DATA" Entertainments/Media (11)"
370DATA" The Law (12)"
380 DATA"Comprehend simple instruction(s) (1)"
390DATA" Comprehend facts and concepts (2)"
400DATA" Select and discriminate facts and concepts (3)"
410 DATA" Assemble facts and concepts (4)"
420DATA" Present facts and concepts (5)"
430 DATA" Appreciate and enjoy (6)"
440 DEF PROCline(length,col)
450 LOCAL J%
460 PRINTCHR$(col);: FOR J%=1TOlength:PRINT"";:NEXT J%
470 ENDPROC
480 DEF PROCcontexts
490 FOR J%=1TO12:PRINT" ";SCarray$(J%):PROCline(20,147):PROCwait(1200)
500 IF J%=6:PRINT'CHR$(129);" Press any key"'CHR$(129)" for 7-12":J=GET:CLS
510 NEXT J%
520 PRINT'CHR$(129);" Press any key"'CHR$(129)" to go on"
530 J=GET
540 ENDPROC
550 DEF PROCers
560 FOR J%=1TO6:PRINT" ";ERarray$(J%):PROCwait(1200):PROCline(20,146)
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570 NEXT J%
580 ENDPROC
590 DEF PROCwait(time)
600 LOCAL J%
610 FOR J%=1 TO time:NEXT J%
620 ENDPROC
630 DEF PROCframe(gcol,size,tcol,height)
640 PRINTCHR$(gcol);"7";FORJ%=1 TOsize:PRINT"";NEXTJ%:PRINT"k"
650 FOR J%=1 TOheight
660 PRINTCHR$(gcol)"5"CHR$(tcol);FORI%=1 TOsize-2:PRINT" ";NEXTI%:PRINTCHR$(gcol)"j"
670 NEXT J%
680 PRINTCHR$(gcol);:FORJ%=1 TOsize+2:PRINT"";NEXTJ%
690 IF gcol=151 PRINT"Enter title in frame then press RETURN""Enter END then RETURN to finish":GOTO720
700 IF gcol=146 PRINT"CHR$(130)" EXPECTED REACTIONS"; ELSE IF gcol=147 PRINT"CHR$(131)" SOCIAL CONTEXTS";ELSE PRINT"CHR$(134)
"Rating";
710 IF gcol=146 PRINTCHR$(129)" f2" ELSE IF gcol=147PRINTCHR$(129)" f1"
720 ENDPROC
730 DEF PROCERtext
740 VDU28,3,21,24,18
750 CLS
760 IF ER%=7:ER%=1
770 PRINTERarray$(ER%)
780 ENDPROC
790 DEF PROCSCtext
800 VDU 28,3,5,24,2
810 CLS
820 IFSC%>SCLimit:SC%=1
830 IFSC%>12 PRINTCHR$(133);
840 PRINTSCarray$(SC%);IF SC%>12PRINT(";"SC%;")"
850 ENDPROC
860 DEF PROCgentext(a%,b%)
870 VDU 28,a%,24,b%,0
880 CLS
890 FORJ%=0 TO24:PRINTTAB(0,J%)CHR$(135):NEXTJ%
900 VDU 28,a%+1,24,b%,0
910 ENDPROC
920 DEF PROCtext1
930 PRINT"This is a list""of the commonly""experienced""IMPOSED""social contexts""in which"
940 PRINT"literacy tasks""are likely to""be encountered."
950 PRINT"The list is not""exhaustive and""does not""include contexts""which are more""specific to the""individual (the"
960 PRINT"VOLUNTARY/""PERSONAL area"
970 ENDPROC
980 DEF PROCtext2
990 PRINT"This is a list""of 'expected""reactions""to any given""literacy task.""
1000 PRINT"The first is""the simplest""form of behaviour""and the sixth""the most complex.""
1010 PRINT"Thus, the""ability to react""competently at""a given level""implies the""ability to react""competently at""a lowe
r level."
1020 PRINT"CHR$(129)"Press any key "CHR$(129)" to go on."
1030 ENDPROC
1040 DEF PROCbintra
1050 CLS
1060 VDU132,157,135:PRINT"LITERACY BEHAVIOURS - EXPLANATIONS"
1070 PRINT""Literacy behaviours are simply a"
1080 PRINT"person's"CHR$(130)"reactions"CHR$(135)"to a given"CHR$(134)"literacy"CHR$(134)"task"CHR$(135).""
1090 PRINT"A"CHR$(134)"literacy task"CHR$(135)"can occur any time that""a demand is made on the literacy skills"
1100 PRINT"or abilities of a person, but generally""speaking they fall into two broad""categories:"
1110 PRINT"1 -"CHR$(131)"IMPOSED"CHR$(135)"tasks that are not"
1120 PRINT" sought out by a person, but simply"" tend to confront most of us during"
1130 PRINT" the course of our daily lives."
1140 PRINT"2 -"CHR$(133)"PERSONAL/VOLUNTARY"CHR$(135)"tasks that are"

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1150 PRINT" not common to everyone, but depend"" on the interests, personality and"
1160 PRINT" will of an individual."
1170 PRINT"Press any key to go on":J=GET
1180 CLS:VDUI132,157,135:PRINT"LITERACY BEHAVIOURS - Continued.""
1190 PRINT"IMPOSEDtasks, which are commonly""experienced by most of us, can be"
1200 PRINT"classified according to thesocial""contextsin which they occur.""
1210 PRINT"It is therefore possible to provide sucha classification which will give a"
1220 PRINT"framework for checking the ability of a""student to use literacy behaviours on"
1230 PRINT"tasks that she/he will almost certainly""encounter during life."
1240 PRINT""For instance:""
1250 PRINT"(Press any key to go on.):J=GET:PROCIposed
1260 CLS:VDUI132,157,135:PRINT"LITERACY BEHAVIOURS - Continued."
1270 PRINT""It is much more difficult however to""draw up a list of contexts in this way""forVOLUNTARY/PERSONALLiteracy tasks."
1280 PRINT"This requires a close knowledge of the""individual for whom the classification"
1290 PRINT"is to be made. In the case of a literacystudent, it will be a gradual task for"
1300 PRINT"tutor and student to draw up this list""together over a period of time."
1310 PRINT"However, once a"CHR$(133)"VOLUNTARY/PERSONAL"
1320 PRINT"classification HAS been arrived at, it""can be added to the list of common or"
1330 PRINT"IMPOSEDcontexts to give a fairly""accurate picture of the social contexts"
1340 PRINT"in which an individual is likely to be""using literacy skills and performing""literacy behaviours."
1350 PRINT"Press any key to go on":J=GET
1360 CLS:VDUI132,157,135:PRINT"LITERACY BEHAVIOURS - Continued.""
1370 PRINT"Earlier, literacy behaviors were definedasreactionstuliteracy tasks."
1380 PRINT"In fact, anyliteracy taskcarries in""itself certain assumptions as to how"
1390 PRINT"the person involved in the task should""react to it."
1400 PRINT"For instance, a sign reading:""
1410 PRINT" ";CHR$(141);CHR$(129);CHR$(157);CHR$(135);" SHUT THE DOOR ";CHR$(156)
1420 PRINT" ";CHR$(141);CHR$(129);CHR$(157);CHR$(135);" SHUT THE DOOR ";CHR$(156)
1430 PRINT""Is aliteracy taskwhich expects a""fairly basicreaction- that the person"
1440 PRINT"who is involved should understand and""act on a simple instruction.""
1450 PRINT"We could say that this low level""behaviour is:"
1460 PRINTCHR$(130)"COMPREHEND SIMPLE INSTRUCTION"
1470 PRINT"(Press any key to go on):J=GET:CLS
1480 CLS:VDUI132,157,135:PRINT"LITERACY BEHAVIOURS - Continued.""
1490 PRINT"On the other hand,"CHR$(134)"literacy tasks"CHR$(135)"can"
1500 PRINT"expect much more complex"CHR$(130)"reactions"CHR$(135)"from the person involved in them.""
1510 VDUI29,157,135:PRINT"For instance you yourself are right"
1520 VDUI29,157,135:PRINT"now involved in a literacy task as"
1530 VDUI29,157,135:PRINT"you read this text.""
1540 PRINT"However the"CHR$(130)"reactions"CHR$(135)"expected of you"
1550 PRINT"are much more complex than""understanding simple instructions. You "
1560 PRINT"are expected to understand both facts""and concepts, to be able to relate them"
1570PRINT"to each other and to be further able to""relate them to your own experinece"
1580 PRINT"and previous knowledge.""
1590 PRINT"We might call this more complex type ofbehaviour the ability to:"
1600 PRINT"CHR$(130)"COMPREHEND, SELECT AND DISCRIMINATE"CHR$(130)"FACTS AND CONCEPTS"
1610 PRINT"Press any key to go on":J=GET:CLS:PROCreactions:J=GET:CLS
1620 CLS:VDUI132,157,135:PRINT"LITERACY BEHAVIOURS - Continued.""
1630 PRINT"Now that we know that it is possible to""have : "
1640 PRINT"1 - ASocial Profileof a student by"" classifying the social contexts in"
1650 PRINT" which he is likely to meet literacy"" tasks,(whetherimposedorpersonal"" and voluntary.)""
1660 PRINT"2 - A measure of the varying"" complexities of reaction to"CHR$(134)"literacy tasks."
1670 PRINT" - it is possible to define a student's""achievements in literacy by rating his"
1680 PRINT"or her abilities to perform differing""behaviours asreactionsto tasks in"
1690 PRINT"the differingcontextswhich make up ""his or hersocial profile."
1700 PRINT""(Press any key to return to menu).":J=GET:CLS:RUN
1710 J=GET
1720 ENDPROC
1730 DEF PROCiposed
1740 CLS

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1750PROCgentext(22,39)
1760 PROCtext1
1770 VDU28,0,24,21,0
1780 PRINTCHR$(131)" SOCIAL CONTEXTS"":PROcline(20,147)
1790 VDU28,0,24,21,4:PROCcontexts:VDU 26
1800 ENDPROC
1810 DEF PROCReactions
1820 PROCgentext(0,20):PROCtext2
1830 VDU28,18,24,39,0:CLS:PRINTCHR$(130)"EXPECTED REACTIONS"":PROcline(20,146)
1840 VDU28,18,24,39,4:PROCers
1850 VDU 26
1860 ENDPROC
1870 DEF PROCmodifyp7
1880 CLS
1890 VDU129,157,135:PRINT"LITERACY BEHAVIOURS-TUTORS UPDATE"
1900 PRINT"Please enter the ID number of the""student. If this is not known, please"
1910 PRINT"enter the name of the student as it""appears on the last L.C.P.""Then press RETURN"
1920INPUT ID$:IF ID$="MISS" GOTO 2020
1930 p3%=OPENUP("p3"):PTR&p3%=0:lengthp3%=BGET&p3%:IF VAL(LEFT$(ID$,1))<1 OR VAL(RIGHT$(ID$,1))>9 GOTO 1950
1940 StudID%=VAL(ID%):GOTO 1990
1950 FOR J%=1TO117:(lengthp3%-1)+1 STEP 117
1960 INPUT&p3%,id$,name$:IF name%=ID$:StudID%=VAL(id%)
1970 IF StudID%<-999 GOTO 2000 ELSE PRINT"Record deleted":GOTO 1920
1980 NEXT J%:PRINT"No such name on record":GOTO 1900
1990PTR&p3%=117*(StudID%-1)+1:INPUT&p3%,id$:IF VAL(id%)=-999:PRINT"Record deleted":GOTO 1900
2000 p7%=OPENUP("p7"):PTR&p7%=1414*(StudID%-1)+5:C2%=BGET&p7%:IFC2%=0 GOTO2020
2005SClimit=SClimit+C2%:PTR&p7%=PTR&p7%+768
2010 FOR J%=13TOSCLimit:INPUT&p7% ,SCarray$(J%):NEXT J%
2020 $%7B01=id$:CLS:VDU129,157,135:PRINT"LITERACY BEHAVIOURS-TUTORS UPDATE"
2030 PRINT"Do you want to:"
2040 PRINT"  Add new"CHR$(133)"Voluntary/Personal"" contexts for your student ?"
2050 PRINT"f1- YES"
2060 PRINT"f2- NO"
2070 PRINT"Please select option using the RED KEYsOnly":J=GET
2080IF J=49 PROCnewcon:GOTO2100
2090 IF J<>50 PRINT"Typing error ":J=GET:GOTO 2080
2100 CLS:VDU129,157,135:PRINT"LITERACY BEHAVIOURS-TUTORS UPDATE""Do you want to:"
2110 PRINT"  Give new literacy behaviour "" ratings for your student."
2120 PRINT"f1- YES"
2130PRINT"f2- NO"
2140 PRINT"Please select option using the RED KEYsOnly":J=GET
2150 IF J=49 PROCratings
2160 IF J=50 PROCsend
2165 AZ=2:CHAIN"MENU2"
2170 PRINT"Typing error - try again !":GOTO 2140
2180 ENDPROC
2190 DEF PROCratings
2200 CLS
2210 VDU 132,157,135:PRINT"LITERACY BEHAVIOUR RATINGS UPDATE"
2220 PRINT""Remember that a rating is given on a""scale of 1 - 4 for a students ability"
2230 PRINT"to perform an expected reaction to a""literacy task in a given social context.";
2240 PRINT"Before giving a rating therefore, it is""necessary to select:"
2250 PRINT"1 -The expected reaction(1-6)"
2260 PRINT"2 -The social context(1-12)"
2270 PRINT"After the next key press, two""rectangles will display options for"
2280 PRINT"selection which can be changed by using""thef1/f2keys."
2290 PRINT"Once the appropriate"CHR$(131)"social context"CHR$(135)"and"
2300 PRINT"expected reactionhave been set, press""RETURN to enter the rating."
2310 PRINT"(Press any key to go on)":J=GET:PROCpresent
2320 J=GET

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2920 FOR J%=13 TO SClimit:PRINTCHR$(133);SCarray$(J%);CHR$(135);" (";J%;" )"
2930IF J%=19 OR J%=25:PRINTCHR$(129)"Press any key to go on.":J=GET:CLS
2940 NEXT J%:PRINTCHR$(129)"Press any key to go on.":J=GET:VDU26:CLS
2950 ENDPROC
2960 DEF PROCsend
2970 PTRfp7%=1414*(StudID%-1)
2980 REM****If no C2 rows to add skip to next section
2990 IF N%=0 GOTO 3140
3000 REM**** Sequence to write new c2 row titles to p7
3010 REM *****
3020 PTRfp7%=PTRfp7%+5
3040 BPUTfp7%,C2%+N%
3050 PTRfp7%=PTRfp7%+768*(C2%*32)
3060 FOR J%=12+C2%+1TO12+C2%+N%
3070 PRINTfp7%,SCarray$(J%)
3080 NEXT J%
3090 PTRfp7%=1414*(StudID%-1)
3100 REM *****
3110 REM
3120 REM Sequence to write Barray$ elements to matrix flags.
3130 REM
3140 PTRfp7%=PTRfp7%+6
3150 FORJ%=1TO32:FOR IX=1TO6
3160 IF Barray$(J%,IX)=""00":PTRfp7%=PTRfp7%+4:GOTO 3250
3170 flag%=LEFT$(Barray$(J%,IX),1)+"9"
3180 PRINTfp7%,flag%
3250 NEXT IX:NEXT J%
3255 ?%7B40=C2%+N%
3256 s2%=OPENUP("s2"):PTRfs2%=168*(StudID%-1)+6:BPUTfs2%,C2%+N%
3260CLOSEEO:VDU26:CLS:PROCchoice
3270 ENDPROC
3630 DEF PROCchoice
3640 CLS: PRINT""Do you want to:""
3650 PRINT"f1 - Give new ratings for SKILLS ?"
3660 PRINT"f2 - Print out a LITERACY CURRICULUM"" PROFILE ?""
3670 PRINT"PLEASE SELECT USING";CHR$(129);"RED KEYS";CHR$(135);"ONLY":X=GET
3680 IF X=49 CHAIN"TUTOR-S"
3690 IF X=50 CHAIN"LCP"
3700 PRINT'CHR$(134);"Wrong key pressed ! - Try again":GOTO 3670
3710 ENDPROC

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>



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LOAD"TUTOR-8"
)LIST
10 MODE 7
20VDU23;8202;0;0;0
30*KEY 10 OLD:NRUN:IN
40VDU26,12
50 *KEY 1"1"
60 *KEY 2"2"
70 *KEY 3"3"
80 *KEY 4"4"
90 *KEY 5"5"
100 DIM SKILLS$(16):FOR J%=1TO16:READ SKILLS$(J%):NEXTJ%:RESTORE
110 CLS:PRINTCHR$(129)" LITERACY SKILLS INFO."
120 PRINTCHR$(129);" -----"
130 PRINT""""Do you want to:""
140 PRINT"f1 - Have more info on literacy skills""
150 PRINT"f2 - Update the skill ratings of a"" student ?""
155 PRINT"f3 - Neither. Escape to Tutor Menu.""
160 PRINTCHR$(129);" SELECT USING RED KEYS ONLY"
170 J=GET:IF J<49 OR J>51:PRINTCHR$(129);"Typing error - try again":GOTO170
180 IF J=50 PROCmodifyp5
185 IF J=51:AX=2:CHAIN"MENU2"
190 VDU 28,0,23,39,5:CLS
200 PRINT"Process levels are : "
210 PRINT"-----"
220 PRINTCHR$(130)"f1 - Auditory/Visual Feature Extraction";CHR$(131);"f2 - Encoding"
230 PRINTCHR$(134);"f3 - Decoding"
240 PRINTCHR$(133);"f4 - Using Lexical Memory"
250 PRINT" f5 - Use this key for further"" explanation of the idea of skill"" process levels""
260 PRINTCHR$(129);"Please select red keys only for further";CHR$(129)"explanation of skills at each leve."
270 J=GET:IF J<49 OR J>53 PRINTCHR$(129);"Typing error - try again";GOTO270
280 IF J=49:gcol=146:tc0l=130:title$=" 1 - A/V FEATURE EXTRACTION"
290 IF J=50:gcol=147:tc0l=131:title$=" 2 - ENCODING"
300 IF J=51:gcol=150:tc0l=134:title$=" 3 - DECODING"
310 IF J=52:gcol=149:tc0l=133:title$=" 4 - USING LEXICAL MEMORY"
320 IF J=53:VDU26:CLS:PROCheip
330 PROCframe(title$,tc0l,gcol)
340 DATA"1 - Sound input disc.skills"
350 DATA"2 - Vis. input disc.skills"
360 DATA"3 - Motor control abilities"
370 DATA"4 - Single letter recognition"
380DATA"5 - Letter group recognition"
390 DATA"6 - Sub-array recognition"
400 DATA"7 - Array recognition"
410 DATA"8 - Sub-array Phon.Translation"
420 DATA"9 - Array Phon.Translation"
430 DATA"10- Array articulation"
440 DATA"11- Sub-word Phon.Translation"
450 DATA"12- Word Phon.Translation"
460 DATA"13- Spelling pattern checking"
470 DATA"14- Word articulation"
480 DATA"15- Lexical access/retrieval"
490 DATA"16- Use of context evidence"
500 CHAIN"MENU2"
510 END
530 DEF PROCfe
540 CLS
550 PRINT"Visual/Auditory Feature extractionis the process by which a person"
560PRINT"is able to distinguish between :"" differing marks and symbols in"
570 PRINT" written language or"" differing sounds in speech.""

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580 PRINTCHR$(129);"Press any key to go on":J=GET
590 ENDPROC
600 DEF PROCenc
610 CLS
620 PRINT"Encoding is the process by which a person is able to recognise a"
630 PRINT"distinct mark or symbol in written language as being a previously"
640 PRINT"known letter or common group of "letters."'"CHR$(129);"Press any key to go on"
650 J=GET
660 ENDPROC
670 DEF PROCdec
680 CLS
690 PRINT"Decoding is the process by which a person is able to match a letter"
700 PRINT"or group of letters in written "language to the equivalent sounds"
710 PRINT"in speech which they are intended "to represent, or vice-versa."
720 PRINT'"CHR$(129)"Press any key to continue":J=GET
730 CLS:PRINT"In addition it implies the ability to assign the correct stress to a"
740 PRINT"group of letters so that they can "be correctly pronounced as a WORD."
750 PRINT"Note that Decoding can occur prior to any understanding of MEANING."
760 PRINTCHR$(129)"Press any key to continue":J=GET
770 CLS
780 PRINT"Note the following definitions "of terms used at this level:"
790 VDU 28,3,21,36,8
800 PRINT"    ARRAY - a group of letters "recognised as a separate unit"
810 PRINT"to which no meaning has as yet "been assigned from lexical memory"
820 PRINT"    SUB-ARRAY - a group of letters forming part of an array"
830 PRINT'"CHR$(129)"Press any key to continue":J=GET:CLS
840 PRINT"    WORD - a separate group of "written letters or a distinct"
850 PRINT"sound in speech to which a meaning has been assigned from the "lexical memory."
860 PRINT'"    SUB-WORD - a group of letters "or a sound in speech forming part of a WORD."
870 PRINT'"CHR$(129)"Press any key to continue":J=GET:CLS
880
890 PRINT"    PHONEMIC TRANSLATION - the "ability to render written letters"
900 PRINT"or letter groups into their "equivalent sounds in speech and "vice-versa"
910 PRINT"    ARTICULATION - the ability to "give the correct stress in the "pronunciation of a WORD or an "ARRAY."
920 PRINTCHR$(129)"Press any key to go on":J=GET:VDU 28,3,21,36,5:CLS
930 ENDPROC
940 ENDPROC
950 DEF PROClexm
960 CLS
970 PRINT"Lexical memory is the part of the "memory in which a person 'stores' meanings which correspond to"
980 PRINT"either speech sounds or written "letter groups that are Words."'"CHR$(129)"Press any key to go on"
990 J=GET:CLS
1000 PRINT"Note that a person using literacy "skills may access lexical memory"
1010 PRINT"directly from any of the three "other processes. This depends on"
1020 PRINT"the relative difficulty of the "literacy task and the ability of"
1030 PRINT"the person involved"'"CHR$(129)"Press any key to go on"
1040 J=GET
1050 ENDPROC
1060 DEF PROCframe(title$,tcol,qcol)
1070 VDU 26,12
1080 PRINTCHR$(129);CHR$(157);CHR$(135);"SKILL PROCESS LEVELS - CHECKLIST"'"CHR$(tcol);title$
1090 PRINT'CHR$(qcol);"7"'"CHR$(135);"
1100 FOR J%=1 TO 18:PRINTCHR$(qcol);"5";CHR$(135);" ";CHR$(qcol);"j":VDU 11;NEXT:VDU 11
1110 PRINTCHR$(qcol);" ";TAB(5,2)
1120 VDU 28,3,21,36,5
1130 IF tcol=130 PROCfe:PROCdet(1,3):VDU 26:RUN
1140 IF tcol=131:PROCenc:PROCdet(4,5):VDU 26:RUN
1150 IF tcol=134:PROCdec:PROCdet(6,10):PROCdet(11,14):VDU 26:RUN
1160 IF tcol=133:PROClexm:PROCdet(15,16):VDU 26:RUN
1170 J=GET

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1180 ENDPROC
1190 DEF PROCHELP
1200CLS
1210 GO#="Press key"
1220 FOR JX=1TO24
1230 IF JX>18 COL=133 ELSE IF JX>12 COL=134 ELSE IF JX>6 COL=131 ELSE COL=130
1240 PRINTCHR$(COL);"          ";CHR$(135)
1250 NEXT JX
1260 VDU 28,3,23,24,0
1270 PRINT"1 - A/V FEATURE"      EXTRACTION"
1280 PRINT"2 - ENCODING"
1290 PRINT"3 - DECODING"
1300 PRINT"4 - USING LEXICAL"    MEMORY"
1310 VDU 28,28,24,39,0
1320 PRINT"On the left"are shown"the four"different"levels of"processing"that occur"in reading"and writing"
1330 PRINT"Each is saidto representa depth of"processing"which may"or may not"be reached"in reading"and writing"
1340 PRINT"CHR$(129)GO$:J=GET:CLS
1350 PRINT"A person mayhave to go"through all"the first"three depthsbefore"
1355 PRINT"reaching themeaning via"CHR$(133)"lexical"CHR$(133)"memory (4)"
1360 PRINT"CHR$(129)GO$:J=GET:VDU11,13:PRINT"
1370 VDU 26:FDR JX=0TO18
1380 IFJX=1 ORJX=2 ORJX=7 ORJX=13 ORJX=19 ORJX=20 GOTO1400
1390 PRINTTAB(10,JX);CHR$(124):PROCwait(600)
1400 NEXT JX:PRINTTAB(27,22):PROCwait(30000)
1410 FOR JX=23TO0STEP-1
1420 IF JX=10RJX=20R JX=70RJX=130RJX=190RJX=206GOTO1440
1430 PRINTTAB(10,JX);" ":PROCwait(600)
1440 NEXT JX
1450 VDU 28,28,24,39,0:PRINTTAB(1,19);CHR$(129)GO$:J=GET:CLS
1460 PRINT"However, it"is possible"that a"person may"arrive at"meaning"directly viaonly one or"two of the"
1470 PRINT"first three"levels."ie: directlyfrom";CHR$(130);"level 1avoiding theneed to "
1475PRINTCHR$(131)"encode";CHR$(135);"or ";CHR$(134)"decode"
1480 PRINT"CHR$(129)GO$:J=GET:VDU11,13:PRINT"
1490 VDU28,3,23,24,0
1500 PROClink(130,1):VDU 28,28,24,39,0:PRINTTAB(1,19);CHR$(129)GO$:J=GET:CLS
1510 PRINT"Or, a personmay go from"CHR$(130)"level 1,"through"CHR$(131)"level 2"
1515 PRINTCHR$(135)"andthen to"CHR$(133)"lexical"CHR$(133)"memory,"CHR$(135)"so"avoiding theneed to "CHR$(134)"decode"ie:"
1520 PRINTCHR$(129)GO$:J=GET:VDU11,13:PRINT"          ":VDU28,3,23,24,0
1530 PROClink(131,7)
1540 VDU28,28,24,39,0:PRINTTAB(1,19);CHR$(129)GO$:J=GET:CLS
1550 PRINT"The depth"and the"combination of"processing used dependson the"difficulty of the task"and the"ability of
1560 PRINT"the person"involved."CHR$(129)GO$:J=GET
1570 CLS:PRINT"Generally"speaking,"the more"skills a"person has"available"at each of"levels 1-3,"the more"
1580 PRINT"flexible andpowerful"will be his"or her"response to"any given"literacy"task."CHR$(129)GO$:J=GET:RUN
1590 ENDPROC
1600 DEF PROClink(col,line)
1610 IF line=7:FDR JX=3TO6:PRINTTAB(10,JX)"!":PROCwait(600):NEXTJX:START=12ELSESTART=15
1620 PRINTTAB(START,line);CHR$(col)"===="
1630 FOR JX=line TO 16:PRINTTAB(START+4,JX+1)CHR$(col)"!":PROCwait(600):NEXT JX
1640 FOR JX=START+3TO9 STEP-1:PRINTTAB(JX,17)CHR$(col)"=":PROCwait(600):NEXTJX:PRINTTAB(JX+1,18)"!":PROCwait(30000)
1650 PRINTTAB(9,18)" ":FDR JX=9TOSTART+3:PRINTTAB(JX,17)" ":PROCwait(600):NEXTJX
1660 FOR JX=17TOline+1STEP-1:PRINTTAB(START+4,JX)" ":PROCwait(600):NEXTJX:PRINTTAB(START,line)" "
1670 IF line=7:FDR JX=6TO3 STEP-1:PRINTTAB(10,JX)" ":NEXTJX
1680 ENDPROC
1690 DEF PROCwait(time)
1700 FORIX=1TOtime:NEXTI
1710 ENDPROC
1720 DEF PROCdet(start,finish)
1730 CLS

```

```

1740 PRINT"Skills at this level are:"
1750 FOR JX=start TO finish:PRINTSKILLS$(JX):NEXT JX
1760IF JX=11:PRINT'CHR$(134)"These would be used in READING"
1770 IF JX=15:PRINT'CHR$(134)"These would be used in WRITING"
1790 PRINT'CHR$(129)"Press any key to continue":J=GET
1790 ENDPROC
1800 DEF PROCmodifyp5
1810 VDU26:CLS
1820 DIM Sarray$(16)
1825 FORJX=1TO16: Sarray$(JX)="--":NEXTJX
1830 PRINTCHR$(129);"LITERACY SKILLS - MALCH UPDATE SEQUENCE":VDU11
1840 PRINTCHR$(129);"-----"
1850 PRINT" Please enter the ID number of the""student. If this is not known, please"
1860 PRINT"enter the name of the student as it""appears on the last L.C.P.""
1870 PRINT"Then press RETURN":INPUTID$:IF ID$="MISS" GOTO 1950
1880 p3%=OPENUP("p3"):PTRlp3%=0:lengthp3%=BGETlp3%:IFVAL(LEFT$(ID$,1))<1OR VAL(LEFT$(ID$,1))>9 GOTO 1900
1890 StudID%=VAL(ID$):GOTO 1940
1900 FOR JX=1TO117*(StudID%-1)+1 STEP 117
1910 INPUTlp3% id$,name$:IF name$=ID$:StudID%=VAL(id$)
1920 IF StudID%=-999 PRINT"Record deleted":GOTO1850 ELSE GOTO 1950
1930 NEXT JX:PRINT"No such name on record":GOTO 1850
1940 PTRlp3%=117*(StudID%-1)+1:INPUTlp3%,id$:IF VAL(id$)=-999:PRINT"Record deleted":GOTO 1850
1950 $?B01=id$:CLS:PRINT"Select skill with space bar & RETURN"
1960 PRINT"-----"
1970 FOR JX=1TO16
1980 IFJX>14 col=133 ELSE IFJX>5 col=134 ELSE IF JX>3 col=131 ELSE col=130
1990 PRINTCHR$(col);SKILLS$(JX);TAB(33)CHR$(135);LEFT$(Sarray$(JX),1);CHR$(col):IFJX=3ORJX=5ORJX=14 PRINT
2000 NEXT JX
2010 PRINT""Press fi to put these ratings on file"
2020 pos=3:id%=1
2030 PRINTTAB(36,pos)CHR$(136)"[";id%
2040 J=GET:IF J=32 :PROCmove:GOTO 2040
2050 IF J=13 PROCget:GOTO1950
2060 IF J=49 PROCsend:CLOSEE0:PROCchoice
2070 GOTO2040
2080 ENDPROC
2090 DEF PROCmove
2100 pos=pos+1:id%=id%+1
2110 PRINTTAB(36,pos-1);" "
2120 IF pos=6ORpos=9ORpos=19:pos=pos+1
2130 IF pos=22:pos=3:id%=1
2140 PRINTTAB(36,pos);CHR$(136)"[";id%
2150 ENDPROC
2160 DEF PROCget
2170 CLS:PRINT"Skill selected is:"
2180 IF id%>14 col=133 ELSE IFid%>5 col=134 ELSE IF id%>3 col=131 ELSE col=130
2190 PRINTCHR$(col);SKILLS$(id%)
2200 PRINT""Please enter new rating for student as"" " 1 to 4"
2210 PRINT""NB: 1 - Beginning only"
2220 PRINT " 2 - Barely competent"
2230 PRINT " 3 - Quite good"
2240 PRINT " 4 - Skilled":INPUT"Enter rating and press RETURN""rate$
2250 IF VAL(rate$)<1OR VAL(rate$)>4:PRINT'CHR$(129)"Typing error: 1 to 4 only please":GOTO 2200
2260 Sarray$(id%)=rate$+"-"
2270 ENDPROC
2280 DEF PROCsend
2290 p5%=OPENUP("p5")
2300 PTRlp5%=69*(StudID%-1)+5
2310 FOR JX=1TO16
2320 IF Sarray$(JX)<>"--":Flag$=LEFT$(Sarray$(JX),1)+"9":PRINTlp5%, Flag$:GOTO2370

```

```
2330 PTRfp5%=PTRfp5%+4
2370 NEXT J%
2380 CLS:PRINT"Student skill ratings now updated"*****CHR$(129)"Press any key to continue":J=BET
2390 ENDPROC
2690 DEF PROCchoice
2700 CLS: PRINT"Do you want to:*****
2710 PRINT"f1 - Give new ratings for BEHAVIOURS ?"
2720 PRINT"f2 - Print out a LITERACY CURRICULUM"" PROFILE ?"*****
2730 PRINT" PLEASE SELECT USING";CHR$(129);"RED KEYS";CHR$(135);"ONLY":X=BET
2740 IF X=49 CHAIN"TUTOR-B"
2750 IF X=50 CHAIN"LCP"
2760 PRINTCHR$(134);"Wrong key pressed ! - Try again.":GOTO2730
2770 ENDPROC
```



```

LOAD"SS"
>LIST
 10 HIMEM=&7B00
 35 Date$=$%7B20:check=0:CLS
 60 REPEAT
 85 INPUT"Enter password and press RETURN"''code$
110 p1%=OPENUP("p1")
135 PTR&p1%=0:SupID%=BGET&p1%
160 INPUT&p1%,Supname$,lastdate$
185 0$="HUGO"+STR$(SupID%)
210 IF code$=0$ GOTO285
235 PRINT"Sorry! Invalid password -try again":CLOSE&p1%:check =check+1
260 UNTIL check>3:PRINT"Too many tries":CHAIN"MENU2"
285 p2%=OPENUP("p2")
310 PTR&p2%=0:nooftutors%=BGET&p2%
335 p3%=OPENUP("p3")
360 PTR&p3%=0:noofstuds%=BGET&p3%
385 DIM TID$(nooftutors%):DIMTname$(nooftutors%):DINTlastdate$(nooftutors%)
410 DIM SID$(noofstuds%):DIM Sname$(noofstuds%):DIM Slastdate$(noofstuds%):DIM Slastno$(noofstuds%):DIM TutID$(noofstuds%)
435 DIM Course$(noofstuds%):DIM S$warray$(noofstuds%,4):DIM B$warray$(noofstuds%,32):DIM B$(noofstuds%)
460 DIM Bweight$(noofstuds%):DIM Sweight$(noofstuds%):DIM SC2rows$(noofstuds%):DIM BCOL$(6):DIM Slevel$(4)
485 VDU2:VDU1
510 line1$=STRING$(75,"-"):line2$=STRING$(75,"="):line3$=STRING$(126,"-"):line4$=STRING$(126,"=")
535 line5$=STRING$(64,"-"):line6$=STRING$(64,"=")
560 VDU1,14:PRINT"      NEW COLLEGE, DURHAM - A.B.E. UNIT"
585 VDU1,14:PRINT"      *****"
610 VDU1,14:PRINT"      HALCH SYSTEM (COPYRIGHT J.A.Byrne 1983)"
635 VDU1,14:PRINT"      SUPERVISOR SUMMARY"
660 VDU1,14:PRINT"Supervisor: (";SupID%;")";Supname$
665 VDU1,14:PRINT"Date: ";Date$
685 VDU1,14:PRINT"Date of last S.S.: "lastdate$
710 PRINT"*****"
735 PRINT"''TUTOR SUMMARY"''-----"
760 VDU1,15:PRINTline2$
785 VDU1,15:PRINT"TUTOR I.D.#:";TUTOR'S NAME:          !";
810 VDU1,15:PRINT"DATE OF LAST LCP:          ;"
835 VDU1,15:PRINTline2$
860 FOR J%=1TO nooftutors%
885 INPUT&p2%,TID$(J%),Tname$(J%):PTR&p2%=PTR&p2%+1:INPUT&p2%,Tlastdate$(J%)
910 NEXT J%:CLOSE&p2%
935 FOR J%=1TOnooftutors%: IF TID$(J%)="-999" GOTO 985
960 VDU1,15:PRINTTID$(J%);"          !";Tname$(J%);"!";Tlastdate$(J%);"!":PRINTline1$
985 NEXT J%:PRINT''
1010 PRINT"STUDENT SUMMARY"''-----"
1035 VDU1,15:PRINTline4$
1060 VDU1,15:PRINT"ID#:";STUDENT'S NAME:          !";"DATE OF LAST LCP:          !";
1085 VDU1,15:PRINT"NO.OF LAST LCP:";TUTOR'S ID#:";COURSE:          !"
1110 VDU1,15:PRINTline4$
1135 PTR&p3%=1
1160 FOR J%=1TOnoofstuds%
1185 INPUT&p3%,SID$(J%),Sname$(J%),Slastdate$(J%),Slastno$(J%),TutID$(J%):PTR&p3%=PTR&p3%+5
1210 INPUT&p3%,Course$(J%):NEXT J%
1235 CLOSE&p3%
1240 0%=0000
1260 FOR J%=1TO noofstuds%:IF SID$(J%)="-999" GOTO 1560
1285 VDU1,15:PRINTSID$(J%);"!";Sname$(J%);"!";Slastdate$(J%);"!";
1310 VDU1,15:PRINT"          ";Slastno$(J%);
1335 IF Slastno$(J%)<10 PRINT"          !";
1360 IF Slastno$(J%)>9 AND Slastno$(J%)<100 PRINT"          !";
1385 IF Slastno$(J%)>99 PRINT"          !";

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1410 VDU1,15:PRINT " ";TutID%(J%);
1435 IF TutID%(J%)<10 PRINT " ";
1460 IF TutID%(J%)>9 AND TutID%(J%)<100 PRINT " ";
1485 IF TutID%(J%)>99 PRINT " ";
1510 VDU1,15:PRINTCourse$(J%);"!";
1535 VDU1,15:PRINTline3$;
1560 NEXT J%
1585 PRINT "N.B.: Individual LCP's can be obtained for any student listed above via Tutor access mode."
1610 PRINT "This is available from the Main Menu":VDUI2
1635 REM modifypl(a)
1660 PTRfp1%=33
1685 PRINTfp1%,Date$
1710 CLOSEfp1%
1735 REM*****
1760 hash1%=26:hash2%=168
1785 REM Produce LPA
1810 REM
1835 REM*****
1860 s1%=OPENUP("s1")
1885 FOR J%=1TOnoofstuds%:IF SID$(J%)="-999" GOTO 2010
1910 PTRfs1%=hash1%*(J%-1)+6
1935 FOR I%=1TO4
1960 INPUTfs1%,SWarray%(J%,I%)
1985 NEXT I%
2010 NEXT J%:CLOSEfs1%
2035 s2%=OPENUP("s2")
2060 FOR J%=1TOnoofstuds%:IF SID$(J%)="-999" GOTO 2235
2085 PTRfs2%=hash2%*(J%-1)+6
2110 SC2rows%(J%)=BGETfs2%
2135 FOR I%=1TO32
2160 INPUTfs2%,BWarray%(J%,I%)
2185 NEXT I%
2210 BX(J%)=BGETfs2%
2235 NEXT J%:CLOSEfs2%
2260 REM*****
2285 REM
2310 REM Calculate overall weightings for LPA
2335 REM
2360 REM*****
2385 FOR J%=1TO noofstuds%:IF SID$(J%)="-999" GOTO 2460
2410 Sweight%(J%)=FNcalcS(J%)
2435 Bweight%(J%)=FNcalcB(J%)
2460 NEXT J%
2485 line5%=STRING$(64,"-"):line6%=STRING$(64,"="):blank53%=STRING$(53," ")
2500 VDU 1,18:@%=10
2510 FOR J%=1TOnoofstuds%:IF SID$(J%)="-999":PRINT"RECORD NO. ";J%;" DELETED":GOTO 2960
2535 PRINTline6$
2560 PRINT"Student ID#: ";SID$(J%);"!";"Student name: ";Sname$(J%);"!";
2585 PRINTline6$
2610 PRINTblank53$;"Weightings:"
2635 PRINTblank53$;"-----";
2660 PRINT"Skill Level 1 - Feature extraction: ";SWarray%(J%,1);:PROCspace(SWarray%(J%,1)):PRINT'
2685 PRINT"Skill Level 2 - Encoding: ";SWarray%(J%,2);:PROCspace(SWarray%(J%,2)):PRINT'
2710 PRINT"Skill Level 3 - Decoding: ";SWarray%(J%,3);:PROCspace(SWarray%(J%,3)):PRINT'
2735 PRINT"Skill Level 4 - Lexical Memory Access ";SWarray%(J%,4);:PROCspace(SWarray%(J%,4)):PRINT'
2760 PRINT"OVERALL SKILL WEIGHTING: ";Sweight%(J%);:PROCspace(Sweight%(J%)):PRINT'
2785 PRINT"Common Social context ratings (1 - 12):"
2810 FOR I%=1TO12:PRINT"*";BWarray%(J%,I%);
2835 IF BWarray%(J%,I%)<10PRINT " ";
2860 IF BWarray%(J%,I%)>9 AND BWarray%(J%,I%)<99 PRINT " ";

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2885 IF BWarray%(J%,IX)>99 PRINT " ";
2886 NEXT IX
2890 IF SC2rows%(J%)=0 GOTO 2910
2891 PRINT "'V/P SOCIAL CONTEXT RATINGS (13+):"
2892 FOR IX=13TOSC2rows%(J%)+12:PRINT"*";BWarray%(J%,IX);
2893IF BWarray%(J%,IX)<10PRINT " ";
2894IF BWarray%(J%,IX)>9 AND BWarray%(J%,IX)<99 PRINT " ";
2896 IF BWarray%(J%,IX)>99 PRINT " ";
2900 NEXT IX
2910 PRINT "'OVERALL BEHAVIOURS WEIGHTING";Bweight%(J%);PROCspace(Bweight%(J%)):PRINT'
2935 PRINTline6$
2960 PRINT':NEXT J%
2985 VDU12
3010 PRINT"Percentage" "of maximum:"
3035 FOR percentage=100 TO 0 STEP -2
3060 PRINTpercentage;" ";
3085 FOR J%=1TO noofstuds%:IF SID$(J%)="-999" GOTO3235
3110 X=FNperc(Bweight%(J%),1296)
3135 Y=FNperc(Sweight%(J%),3600)
3160 IF X<percentage PRINT " "; ELSE PRINTCHR$(142);
3185 IF Y<percentage PRINT " "; ELSE PRINTCHR$(219);
3210 PRINT " ";
3235 NEXT J%:PRINT
3260 NEXT percentage
3285 PRINT"Student IDE: ";@%=1
3310 FOR J%=1TONoofstuds%:IF SID$(J%)="-999" GOTO 3385
3335 PRINTJ%;
3360 IF J%<10 PRINT " "; ELSE PRINT " ";
3385 NEXT J%:PRINT:@%=10
3410 PRINT"'This histogram gives Skill weightings and Behaviour weightings as"
3435 PRINT "percentages of the maximum possible."
3460 PRINT'CHR$(142);" = Behaviour weightings (max=1296)"
3485 PRINTCHR$(219);" = Skill weightings (max=3600)":VDU12
3510 FOR J%=1 TO noofstuds%:IF SID$(J%)="-999" GOTO 3635
3535 FOR IX=1 TO 6
3560 IF IX=1:IF B%(J%)=IX:BCOLX(IX)=BCOLX(IX)+1
3565 IF IX=6:IF B%(J%)=IX:BCOLX(IX)=BCOLX(IX)+1
3585 IF B%(J%)=IX:BCOLX(IX-1)=BCOLX(IX-1)+1
3610 NEXT IX
3635 NEXT J%
3660 PRINT"No. of" "Students"
3685 FOR J%=noofstuds% TO 1 STEP-1
3710 PRINT J%;" ";
3735 FOR IX=1TO6
3760 IF BCOLX(IX)<J% PRINT " "; ELSE PRINTCHR$(142);CHR$(142);" ";
3785 NEXT IX:PRINT
3810 NEXT J%
3835 PRINT"Expected" "Reaction: ";@%=1
3860 FOR er=1TO6:PRINTer;" ";NEXTer:@%=10:PRINT
3885 PRINT"'This histogram shows the number of students" "working at each of the E.R. levels 1-6."
3886 PRINT"' "Percentage"
3887 FOR J%=1 TO noofstuds%:IF SID$(J%)="-999" GOTO 3891
3888 FOR IX=1TO4
3889 Slevel%(IX)=Slevel%(IX)+SWarray%(J%,IX)
3890 NEXT IX
3891 NEXT J%
3892 FOR IX=1TO4
3893 Slevel%(IX)=Slevel%(IX)/noofstuds%
3894 NEXT IX
3895 FOR percentage =100 TO 0 STEP -5

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```

3896 PRINTpercentage;" ";
3897 FOR level=1TO4
3898 X=FNperc(Slevel%(level),3600)
3899 IF X<percentage PRINT" "; ELSE PRINTCHR$(142);CHR$(142);CHR$(142);CHR$(142);" ";
3900 NEXT level:PRINT
3901 NEXT percentage
3902 @%=1:PRINT"Skill"
3903 PRINT "Process ";FOR J%=1TO4:PRINTJ%;" ";NEXTJ%
3904 PRINT"Levels"
3905 PRINT""This histogram shows the mean percentage weightings for the student group"
3906 PRINT"over the four Skill Process Levels"
3907 PRINT"(MAX = 3600)":@%=10
3908 VDU12:PRINT
3910 VDU6,3
3935 CHAIN"MENU2"
3960 DEF FNperc(a,b)
3985 LOCAL P
4010 P=a/(b/100)
4035 =P
4060 DEF FNcalcS(J%)
4085 LOCAL x%,level
4110 FOR level=1TO4
4135 x%=x%+SWarray%(J%,level)
4160 NEXT level
4185 =INT(x%/4)
4210 DEF FNcalcB(J%)
4235 LOCAL x%,row
4260 FOR row =1TO12+SC2rows%(J%)
4285 x%=x%+BWarray%(J%,row)
4310 NEXT row
4335 x%=x%/(12+SC2rows%(J%))
4360 x%=x%*(BX(J%)-1)
4385 =x%
4410 DEF PROCspace(number%)
4435 IF number%<10 PRINT" ";
4460 IF number%>9 AND number%<99PRINT" ";
4485 IF number%>99 PRINT" ";
4510 ENDPROC

```

>



LOAD"SDD1"

>LIST

```
1 HIMEN=&7B00
2 Date$=&7B20
5 *KEY 1"1"
8 *KEY2"2"
10 CLS:PRINTCHR$(129);CHR$(157);CHR$(135);" ADD / DELETE TUTOR FROM FILE"'''
20 PRINTCHR$(129);"Do you want to:"'''
30 PRINT"1 - Add a new tutor to the file ?"'''
40 PRINT"2 - Delete a tutor from the file ?"'''
50 X=GET:IF X<49 OR X>50:PRINT" TYPING ERROR ! - TRY AGAIN":GOTO50
60 IF X=49 PROCcreatp2 ELSE PROCdeletp2
80 CHAIN"MENU2"
100 DEF PROCcreatp2
110 LOCAL Name$,noofdels%
120 p2%=OPENUP("p2")
130 PTRlp2%=0:lengthp2%=BGETfp2%
140 INPUT"Type in the tutor's name"'"Then press RETURN"'''Name$
145 REPEAT:Name$=Name$+" ":UNTIL LEN(Name$)=30
150 h1%=OPENUP("h1")
160 PTRlh1%=0:noofdels%=BGETfh1%
170 IF noofdels%=0: TutorID%=lengthp2%+1:GOTO190
180 PTRlh1%=noofdels%:TutorID%=BGETfh1%
190 p1%=OPENUP("p1")
200 PTRlp1%=0:SupID%=BGETfp1%
205 IF noofdels%=0:PTRlp2%=0:BPUTfp2%,TutorID%
210 PTRlp2%=71*(TutorID%-1)+1
215 TutID$=STR$(TutorID%):REPEAT:TutID$=TutID$+" ":UNTIL LEN(TutID$)=4
220 PRINTfp2%,TutID$,Name$
225 BPUTfp2%,SupID%
226 PRINTfp2%,Date$
230 IF noofdels%=0 GOTO 270
240 noofdels%=noofdels%-1
260 PTRlh1%=0:BPUTfh1%,noofdels%
270 CLOSEf0
275 CLS:PRINT"RECORD SAVED AS :"'
280 PRINT"NAME : "Name$'''
285 PRINT"ID# : "TutID$'''
290 PRINT"CHR$(129);"Press any key to go on":X=GET
300 ENDPROC
400 DEF PROCdeletp2
410 p2%=OPENUP("p2"):PTRlp2%=0:lengthp2%=BGETfp2%
420 INPUT"Type in the ID number of the tutor"'"to be deleted from the files "'Then press RETURN"'''TutID%
490 IF TutID%>lengthp2%:PRINT"No such ID number on file !":GOTO420
500 PTRlp2%=71*(TutID%-1)+1:PRINTfp2%,"-999"
510 h1%=OPENUP("h1")
520 PTRlh1%=0:noofdels%=BGETfh1%
530 noofdels%=noofdels%+1
540 PTRlh1%=noofdels%:BPUTfh1%,TutID%
550 PTRlh1%=0:BPUTfh1%,noofdels%
560 CLOSEf0
570 ENDPROC
```

>



LOAD"SD02"

>LIST

```
1 HIMEM=&7B00
2 Date$=&7B20
3 Act%=0:lastno%=0:blank%=0
5 *KEY 1"1"
8 *KEY2 "2"
10 CLS:PRINTCHR$(129);CHR$(157);CHR$(135);"ADD / DELETE STUDENT FROM FILE"
20 PRINT""CHR$(129);"Do you want to:"""
30 PRINT"f1 - Add a new student to the file ?"
40 PRINT"f2 - Delete a student from the file ?"
45 PRINTCHR$(129)"PLEASE SELECT USING RED KEYS ONLY""
50 X=GET:IF X<49 OR X>50:PRINT" TYPING ERROR ! - TRY AGAIN":GOTO50
60 IF X=49 PROCcreatep3 ELSE PROCdeletep3
70 CHAIN"MENU2"
100 DEF PROCcreatep3
110 CLS:INPUT" What is the new student's name ""name$
115 REPEAT:name$=name$+" ":UNTIL LEN(name$)=30
120 PRINT""What is the Tutor's ID number ? "" If you don't know, enter 999 and press RETURN":INPUTTutID%
130 IF TutID%<>999 GOTO 200
135 REM Get the Tutor's name and search p2 for the ID
140 CLS: INPUT" In that case, what is the tutor's name ?""Tutname$
145 REPEAT:Tutname$=Tutname$+" ":UNTIL LEN(Tutname$)=30
150 p2%=OPENUP("p2"):PTRfp2%=0:lengthp2%=BGETfp2%
155 REM Run through p2 until names match
158 count=0
160 FOR J%=1 TO71*(lengthp2%-1)+1 STEP 71:count=count+1
170 PTRfp2%=J%+6:INPUTfp2%,Tname$
180 IF Tname$=Tutname$:TutID%=count:GOTO 200
185 REM End loop - if no match found request new input
190 NEXT J%:PRINTCHR$(132);"No such tutor !":CLOSEfp2%:GOTO140
195 REM Get course name
200 CLS: INPUT" What course is the student on ?""Course$
205 REPEAT:Course$=Course$+" ":UNTIL LEN(Course$)=30
206 REM Check h2 for deleted records to be used up.
210 h2%=OPENUP("h2"): PTRfh2%=0:noofdels%=BGETfh2%
215 REM If any deleted spaces, find location, else get StudID% from p3
218 IF noofdels%=0 GOTO 230
220 PTRfh2%=0:BPUTfh2%,noofdels%-1
225 PTRfh2%=noofdels%:StudID%=BGETfh2%:StudID%=STR$(StudID%)
228 PTRfh2%=noofdels%:BPUTfh2%,0:p3%=OPENUP("p3"):GOTO242
229 REM Get StudID% from p3
230 p3%=OPENUP("p3"):PTRfp3%=0:noofstuds%=BGETfp3%
240 StudID%=noofstuds%+1:PTRfp3%=0:BPUTfp3%,StudID%
242 StudID%=STR$(StudID%):REPEAT:StudID%=StudID$+" ":UNTIL LEN(StudID$)=4
245 REM Set pointer to correct record in p3 and write new record & confirm
250 PTRfp3%=117*(StudID%-1)+1
255 PRINTfp3%,StudID$,name$,Date$,lastno%,TutID%,Act%,Course$
260 CLS:PRINTCHR$(129);"Record saved as below:"""
265 PRINT"Student ID#: ";StudID%
270 PRINT"Name :";name$
275 PRINT"Course :";Course$
280 PROCcreatep5
290 ENDPROC
300 DEF PROCcreatep5
305 REM This simply primes a fresh record into p5
306 REM using StudID%. Thus any previous record
307 REM needing to be deleted will be automatically overwritten
310 p5%=OPENUP("p5"):PTRfp5%=69*(StudID%-1)
320 PRINTfp5%,StudID%
```

```

330 FOR J%= 1 TO 16
340 PRINTfp5%, " "
350 NEXT J%
360 CLOSEfp5%
365 PROCcreatep7
370 ENDPROC
400 DEF PROCcreatep7
410 blank$=STRING$(30, " ")
430 p7%=OPENUP("p7")
440 PTRfp7%=1414*(StudID%-1)
450 PRINTfp7%,StudID%:BPUTfp7%,0
460 FOR J%=1TO192
470 PRINTfp7%, " "
480 NEXT J%
490 FOR J%=1TO20
500 PRINTfp7%,blank$
510 NEXT J%
520 CLOSEfp7%
525 PROCcreates1
530 ENDPROC
540 DEF PROCcreates1
545 s1%=OPENUP("s1")
550 PTRfs1%=26*(StudID%-1)
560 PRINTfs1%,StudID$
570 FOR J%=1TO4
580 PRINTfs1%,blank%
590 NEXT J%
595 CLOSEfs1%:PROCcreates2
598 ENDPROC
600 DEF PROCcreates2
610 s2%=OPENUP("s2")
620 PTRfs2%=168*(StudID%-1)
630 PRINTfs2%,StudID$:BPUTfs2%,0
640 FOR J%=1TO32
645 PRINTfs2%,blank%
650 NEXT J%:BPUTfs2%,1
660 CLOSEf0
670 ENDPROC
700 DEF PROCdeletep3
710 CLS:PRINT"Please type in the ID# of the student""to be deleted from the file."
711 PRINT"If you don't know it, enter the""student's name instead, as on the last""LCP."
712 PRINT""Don't forget to press RETURN":INPUTenter$:REPEAT:enter$=enter$+" ":UNTIL LEN(enter$)=30
720 IF ASC(enter$)<47 OR ASC(enter$)>58GOTO730
725StudID%=VAL(enter$):p3%=OPENUP("p3"):GOTO 780
730 p3%=OPENUP("p3"):PTRfp3%=0:noofstuds%=BGETfp3%:count=0
740 FOR J%=1 TO 117*(noofstuds%-1) STEP 117:count=count+1
750 PTRfp3%=J%+6:INPUTfp3%,name$
760 IF name$=enter$:StudID%=count:GOTO780
770 NEXT J%:PRINT "This name is not on file - enter new name or number":CLOSEfp3%:GOTO712
780 PTRfp3%=117*(StudID%-1)+1
790 PRINTfp3%,"-999"
795 REM Add h2 sequence
800 h2%=OPENUP("h2"):PTRfh2%=0
810 noofde1s%=BGETfh2%
820 noofde1s%=noofde1s%+1
830 PTRfh2%=0:BPUTfh2%,noofde1s%
840 PTRfh2%=noofde1s%:BPUTfh2%,StudID%
850 CLOSEf0
860 REM delete s1/s2
900 s1%=OPENUP("s1")

```

```
920 PTRf=1%=26*(StudID%-1)
930 PRINTf=1%,"-999"
950 s2%=OPENUP("s2")
960 PTRf=2%=168*(StudID%-1)
970 PRINTf=2%,"-999"
980 CLOSEf0
990 ENDPROC
```

>



LOAD "LCP"

>LIST

```
10 HIMEM=&7B00
15 CLS
20 DIMSArray$(16):DIMSCArray$(32):DIMERArray$(6):DIMSORArray$(16):DIMBORArray$(32,6)
25 DIM Bweighting%(32):DIMSweighting%(4):DIM Marray$(32,6):DIM Sflagarray$(16):DIM Weighting%(4):DIMWeightB%(32)
30 StudID$=&7B01
31 PRINTCHR$(131);"Hang on a minute !"
35 StudID%=VAL(StudID$)
45 SupID%=?&7B50:p7%=OPENUP("p7"):PTR&p7%=1414*(StudID%-1)+5:C2%=BGET&p7%
46 Supname$=&7B60
49 Date$=&7B20
51 REM
52 REM*****
53 REM
54 REM READ and DATA statements not necessary when using static files p4 and p6
55 FOR J%=1TO 16:READ Sarray$(J%):NEXT J%
60 FOR J%=1TO12:READ SCarray$(J%):NEXT J%
65 FOR J%=1TO6:READ ERarray$(J%):NEXT J%
68 PROCdec
70 PROCintrans:PROCSORgen:PROCBORgen:PROCmodp2p3:lastno%=lastno%-1
71 CLS:PRINTCHR$(130);"PRINTING YOUR LCP NOW.":PROCprinthead:PROCprintout
72 AX=2:CHAIN"MENU2"
75 CLOSE&:END
80 DATA"1 - Sound input disc.skills"
85 DATA"2 - Vis. Input disc.skills"
90 DATA"3 - Motor control abilities"
95 DATA"4 - Single letter recognition"
100DATA"5 - Letter group recognition"
105 DATA"6 - Sub-array recognition"
110 DATA"7 - Array recognition"
115 DATA"8 - Sub-array Phon.Translation"
120 DATA"9 - Array Phon.Translation"
125 DATA"10- Array articulation"
130 DATA"11- Sub-word Phon.Translation"
135DATA"12- Word Phon.Translation"
140 DATA"13- Spelling pattern checking"
145 DATA"14- Word articulation"
150 DATA"15- Lexical access/retrieval"
155 DATA"16- Use of context evidence"
160DATA"Personal/ Individual Relationships (1) "
165DATA"Group Relationships (2) "
170DATA"Domestic and Home (3) "
175DATA"Education/ Training (4) "
180DATA"Health (5) "
185DATA"Functional/ Job (6) "
190DATA"Consumer matters (7) "
195DATA"Travel (8) "
200DATA"Getting employment/ Being unemployed(9) "
205DATA"Civic/ Political(10) "
210DATA"Entertainment/Media (11) "
215DATA"The Law (12) "
220 DATA"Comprehend simple instruction(s) (1) "
225DATA"Comprehend facts and concepts (2) "
230DATA"Select and discriminate facts and concepts (3) "
235 DATA"Assemble facts and concepts (4) "
240DATA"Present facts and concepts (5) "
245DATA"Appreciate and enjoy (6) "
500 DEF PROCprinthead
520 VDU2:VDU21
```

```

530 VDU1,14:PRINT" NEW COLLEGE, DURHAM - A.B.E. UNIT"
535 VDU1,14:PRINT" *****"
540 VDU 1,14:PRINT" HALCH SYSTEM (COPYRIGHT J.A.Byrne 1983)"
542 VDU1,14:PRINT" LITERACY CURRICULUM PROFILE"
550 VDU1,14:PRINT"Supervisor: ";Supname$;" (";SupID$;" )" Date: ";Date$'
560 PRINT"*****"
570 ENDPROC
600 DEF PROCprintout
605 line$=STRING$(50,"-")
610 VDU2:VDU21
630 PRINT"NAME: "name$;" (";StudID$;) LAST LCP L";lastno$;" ON ";lastdate$
635 PRINT" TUTOR: ";Tutname$" COURSE: ";Course$;" THIS LCP IS L";lastno$+1'
636 PRINT"*****"
640 PRINT" LITERACY SKILLS RATINGS CHECK":PRINT"-----"
645 FOR J%=1TO16
650 IF J%=1:PRINT"LEVEL 1 - FEATURE EXTRACTION":PRINT" ";line$
651 IF J%=4:PRINT"LEVEL 2 - ENCODING":PRINT" ";line$
652 IF J%=6:PRINT"LEVEL 3 - DECODING":PRINT" ";line$
653 IF J%=15:PRINT"LEVEL 4 - USING LEXICAL MEMORY":PRINT" ";line$
655 REPEAT:Sarray$(J%)=Sarray$(J%)+ " ":UNTIL LEN(Sarray$(J%))=45
660 BIG$=Sarray$(J%)+ " "+LEFT$(SORarray$(J%),1)
665 REPEAT:BIG$=BIG$+" ":UNTIL LEN(BIG$)=50
670 PRINT" ";BIG$;"!";
680 PRINT" ";line$
685 NEXT J%
686 PRINT" Revision topic is: ";Revskill$:PRINT" The next skill to start learning is: ";Obskill$
690 PRINT" VDU1,14:PRINT"PLEASE RETAIN THIS L.C.P. FOR FUTURE EVALUATION.":VDU12
700 blank$=STRING$(20," "):line$=STRING$(125,"-"):line2$=STRING$(137,"-")
705 line3$=STRING$(6," ");
710 VDU2:VDU21
715 PRINT" LITERACY BEHAVIOURS CHECK"-----"
720 PRINT" Current ratings for the student are shown below. Each figure shows a rating"
725 PRINT" for a particular Expected Reaction in one particular Social Context."
730 VDU 1,15:PRINT" ";line$
735 VDU1,15:PRINT" ";:FOR J%=1 TO 6:VDU 1,15
740 PRINTLEFT$(ERarray$(J%),20);"!";
745 NEXT J%:PRINT" ";:FOR J%=1 TO 6:VDU 1,15
750 PRINTMID$(ERarray$(J%),21,20);"!";
755 NEXT J%:PRINT
760 VDU1,15:PRINT" ";:FOR J%=1 TO 6:VDU 1,15
765 IF J%=3 PRINTRIGHT$(ERarray$(J%),20);"!";
770 IF J%>3 PRINTblank$;"!";
775 NEXT J%:PRINT'line2$
780 FOR J%=1TO12+C2%
785 VDU1,15:PRINTLEFT$(SCarray$(J%),13);line3$
790 VDU1,15:PRINTMID$(SCarray$(J%),14,13);:FOR I%=1TO6:PRINT" ";LEFT$(BORarray$(J%,I%),1);" ";:NEXTI%:PRINT
795 IF J%=10RJ%=20RJ%=9:VDU1,15:PRINTMID$(SCarray$(J%),27,13);line3$
800 IF J%=90RJ%=1:VDU1,15:PRINTRIGHT$(SCarray$(J%),13);line3$
805 PRINT'line2$
810 NEXT J%:VDU1,18
815 pos=INSTR(BRevID$,"+"):rev1$=LEFT$(BRevID$,pos-1):rev2$=RIGHT$(BRevID$,LEN(BRevID$)-pos)
820 pos=INSTR(BRowobj$,"+"):Ocol$=LEFT$(BRowobj$,pos-1):Orow$=RIGHT$(BRowobj$,LEN(BRowobj$)-pos)
825VDU1,15:PRINT" The student's next revision topic is: "rev2$' in the context of: "rev1$'
830 VDU1,15:PRINT" The student's next learning objective is: "Ocol$' in the context of: "Orow$'
840 VDU1,15:PRINT" The next Expected Reaction level for the student to aim at is: "Bcolobj$'
855 VDU1,14:PRINT"PLEASE RETAIN THIS LCP FOR FUTURE EVALUATION"
860 VDU12:PRINT:VDU6,3
899 ENDPROC
1000 DEF PROCintrans
1010 p3%=OPENUP("p3")

```

```

1020 PTRlp3%=117*(StudID%-1)+7
1030 INPUTlp3%,name$,lastdate$,lastno%,TutID%,Act%,Course#:CLOSElp3%
1035 p2%=OPENUP("p2"):PTRlp2%=71*(TutID%-1)+7:INPUTlp2%,Tutname#:CLOSElp2%
1040 REM*****
1150 REM*****
1151 REM
1152 REM Get C2 row titles for student from p7
1153 REM
1154 REM*****
1160 PTRlp7%=1414*(StudID%-1)+6
1170 PTRlp7%=(32*6*4)+PTRlp7%
1175 FORJ%=1TOC2%
1180 INPUTlp7%,SCarray$(J%+12):NEXT J%
1181 REM
1182 REM*****
1183 REM
1184 REM Move p7 PTR back to first Mflag and read in B ratings to BORarray$
1185 REM
1186 REM*****
1190 PTRlp7%=1414*(StudID%-1)+6
1200 FOR J%=1TO 32:FOR I%=1TO6
1210 INPUTlp7%,BORarray$(J%,I%)
1220 NEXT I%:NEXT J%:CLOSElp7%
1225 REM
1226 REM*****
1227 REM
1228 REM Get S flags in to SORarray$
1229 REM
1230 REM
1231 REM*****
1270 PTRlp5%=69*(StudID%-1)+5
1280 FOR J%=1TO16
1290 INPUTlp5%,SORarray$(J%)
1300 NEXT J%:CLOSElp5%
1310 REM
1315 REM*****
1320 REM
1325 REM Get B weightings into Bweighting array
1330 REM
1335 REM*****
1420 PTRfs2%=168*(StudID%-1)+7
1440 FOR J%=1TO32
1450 INPUTfs2%,Bweighting%(J%)
1460 NEXT J%
1465 REM Get 1st unflagged column as B%
1470 B%=BGETfs2%:CLOSEfs2%
1475 REM
1480 REM*****
1485 REM
1486 REM Get S weightings into Sweighting array from s1
1490 REM
1495 REM*****
1520 PTRfs1%=26*(StudID%-1)+6
1530 FOR J%=1TO4
1540 INPUTfs1%,Sweighting%(J%)
1550 NEXT J%:CLOSEfs1%
1599 ENDPROC
2000 DEF PROC5ORgen
2005 REM Get revision skil proc. level
2010 count=0:level%=0:FOR J%=1TO4

```

```

2011 IF Sweighting%(J%)=0 GOTO 2014
2012 IF count=0:low%=Sweighting%(J%):level%=J%:count=count+1
2013 IF count>0:IF Sweighting%(J%)<low%:low%=Sweighting%(J%):level%=J%
2014 NEXT J%
2015IF level%=0 OR Sweighting%(level%)=3600 Revskill$="No skill to revise - see Objective":GOTO 2068
2018 REM Check level for lowest rated skill
2020 IFlevel%=1:start%=1:top%=3
2030 IFlevel%=2:start%=4:top%=5
2040 IFlevel%=3:start%=6:top%=14
2050 IFlevel%=4:start%=15:top%=16
2060 SrevID%=FNlowstring(start%,top%)
2061 Revskill$=Sarray$(SrevID%)
2062 REM*****
2063 REM
2064 REM Get Skill objective,first checking if lowest level is fully flagged
2066 REM*****
2068 REM - CHECK SKILLS 1-16 TO SEE IF AN UNFLAGGED SKILL IS AVAILABLE AS AN OBJECTIVE
2069 SOME=FALSE : IF level%=0:check%=0:GOTO2160
2070 FOR J%=1TO16
2072 IF SORarray$(J%)=" ": SOME=TRUE
2074 NEXT J%
2080 IF SOME<>TRUE:Obskill$="No Objective - all skills have been tackled.":GOTO2170
2100 IF level%=1:check%=FNcheckfull(1,3)
2110 IF level%=2:check%=FNcheckfull(4,5)
2120 IF level%=3:check%=FNcheckfull(6,14)
2130 IF level%=4:check%=FNcheckfull(15,16)
2140 IF check%=0:Sweighting%(level%)=-1:level%=FNslowint(4):GOTO 2100
2150 REM First unflagged skill in level is Subjective
2160 Obskill$=Sarray$(check%)
2170 ENDPROC
3000 DEF PROCBORgen
3005 REM ****Get revision topic first*****
3006 counter=0
3010 row%=FNblowint(12+C2%)
3015 check=TRUE:REM**** check if any elements<40*****
3020 FOR J%=1TO6
3030 IF VAL(BORarray$(row%,J%))>0 AND VAL(BORarray$(row%,J%))<40 check=FALSE
3035 NEXT J%:IF check=FALSE GOTO3050
3040 counter=counter+1:IF counter =(12+C2%+1) BRevID$="No Revision Topic"
3045 IF counter=(12+C2%+1) GOTO 3100 ELSE Bweighting%(row%)=-1:row%=FNblowint(12+C2%): GOTO 3015
3050 low%=1:x%=VAL(BORarray$(row%,1))
3060 FOR J%=2TO6:IF BORarray$(row%,J%)=" " GOTO 3080
3070 IF VAL(BORarray$(row%,J%))<x%:x%=VAL(BORarray$(row%,J%)):low%=J%
3080 NEXT J%
3090 BRevID$=SCarray$(row%)+"+"+ERarray$(low%)
3100 REM*****
3101 REM
3102 REM Next get B objectives
3103 REM
3104 REM*****
3110 col%=B%-1
3120 BRowobj$=""
3130 FOR J%=1 TO (12+C2%)
3140 IF VAL(BORarray$(J%,col%))=0:BRowobj$=ERarray$(col%)+"+"+SCarray$(J%):GOTO 3170
3150 NEXT J%
3160 IF col%=6 BRowobj$=ERarray$(6)+"Any Social Context" ELSE BRowobj$=ERarray$(B%)+"Any Social Context"
3170 IF col%=6 Bcolobj$=ERarray$(6)ELSE Bcolobj$=ERarray$(B%)
3180 ENDPROC
4000 DEF FNslowint(top%)
4010 REM*****

```



```

4011 REM This ignores any array elements having a value of -1 and is used for
4012 REM finding the next lowest proc. level when necessary in generating
4013 REM S objectives.
4014 REM*****
4015 LOCAL J%,x%,low%
4020 IF Sweighting%(1)=-1 THEN low%=2 ELSE low%=1
4030 FOR J%=1 TO top%
4035 x%=Sweighting%(J%)
4040 IF x%=-1 GOTO 4060
4050 IF x%<Sweighting%(low%):low%=J%
4060 NEXT J%
4070 =low%
4100 DEF FNlowstring(start%,top%)
4110 LOCAL J%,x%,low%
4120 low%=start%:x%=49
4130 FOR J%=start%+1 TO top%
4135 IF SORarray$(J%)=" " GOTO 4150
4140 IF VAL(SORarray$(J%))<x%:x%=VAL(SORarray$(J%)):low%=J%
4150 NEXT J%
4160 =low%
4200 DEF FNcheckfull(start%,top%)
4210 REM*****
4211 REM This serves two functions:
4212 REM 1 - It checks if a proc level is fully-flagged and returns 0 if so
4213 REM 2 - If not fully flagged, it returns the ID of the 1st unflagged skill in that level
4214 REM*****
4215 LOCAL J%,x%
4220 FOR J%=start% TO top%
4230 IF VAL(SORarray$(J%))=0:x%=J%:GOTO 4250
4240 NEXT J%
4250 =x%
4300 DEF FNblowint(top%)
4310 LOCAL J%,low%,x%,counter
4320 counter=counter+1:low%=counter:IF low%>32:low%=32:GOTO 4330
4325 IF Bweighting%(low%)<1 GOTO 4320
4330 FOR J%=1 TO top%
4340 x%=Bweighting%(J%)
4345 IF x%=0 GOTO 4360
4346 IF x%=-1 GOTO 4360
4350 IF x%<Bweighting%(low%):low%=J%
4360 NEXT J%
4370 =low%
4500 DEF PROCmodp2p3
4510 p2%=OPENUP("p2")
4520 PTR&p2%=71*(TutID%-1)+40
4530 PRINT&p2%,Date$
4540 p3%=OPENUP("p3")
4550 PTR&p3%=117*(StudID%-1)+39
4560 PRINT&p3%,Date$
4570 INPUT&p3%,lastno%:lastno%=lastno%+1
4580 PTR&p3%=PTR&p3%-5
4590 PRINT&p3%,lastno%
4600 CLOSE&:ENDPROC
4900 DEF PROCdec
5010 PTR&p7%=1414*(StudID%-1)
5020 PTR&p7%=PTR&p7%+6
5030 FOR J%=1 TO 32:FOR I%=1 TO 6
5040 INPUT&p7%,FLAG$
5050 IF FLAG$=" " GOTO 5100
5060 IF VAL(LEFT$(FLAG$,1))=4 GOTO 5100

```

```

5070 DUR=VAL(RIGHT$(FLAG$,1)):DUR=DUR-1
5080 FLAG$=LEFT$(FLAG$,1)*STR$(DUR)
5090 PTRfp7%=PTRfp7%-4:PRINTfp7%,FLAG$
5100 NEXTIX:NEXTJ%
5140 PTRfp7%=1414*(StudID%-1)+6
5150 FOR J%=1TO32
5160 FOR IX=1TO6
5170 INPUTfp7%,Harray$(J%,IX)
5180 NEXT IX:NEXTJ%
5190 FOR J%=1TO12+C2%
5200 WeightB%(J%)=FNcalcs2(J%)
5210 NEXT J%
5220 col=0
5230 col=col+1:check=0
5240 FOR row=1TO12+C2%+N%
5250 IF Harray$(row,col)<>" " check =1
5260 NEXT row
5280 IF check=0: B%=col :GOTO5310
5290 IF col=6:B%=7 :GOTO5310
5300 GOTO 5230
5310 s2%=OPENUP("s2")
5320 PTRfs2%=168*(StudID%-1)+7
5340 FOR J%=1TO32
5350 PRINTfs2%,WeightB%(J%)
5360 NEXT J%
5370 BPUTfs2%,B%
6000 p5%=OPENUP("p5")
6010 PTRfp5%=69*(StudID%-1)+5
6020 FOR J%=1TO16
6030 INPUTfp5%, Flag$:IF Flag$=" "GOTO 6080
6040 Rate$=LEFT$(Flag$,1):Dur$=RIGHT$(Flag$,1)
6050 IF Rate$="4"ORRate$="0" GOTO 6080
6060 Dur$=STR$(VAL(Dur$)-1):Flag$=Rate$+Dur$
6070 PTRfp5%=PTRfp5%-4:PRINTfp5%, Flag$
6080 NEXT J%
6130 s1%=OPENUP("s1")
6140 PTRfp5%=69*(StudID%-1)+5
6150 FOR J%=1TO16
6160 INPUTfp5%, flag$:Sflagarray$(J%)=flag$
6170 NEXT J%
6180 REM Calculate weightings for each level
6190 Weighting%(1)=FNCalcW(1,3)
6200 Weighting%(2)=FNCalcW(4,5)
6210 Weighting%(3)=FNCalcW(6,14)
6220 Weighting%(4)=FNCalcW(15,16)
6230 PTRfs1%=26*(StudID%-1)+6
6240 FOR J%=1TO4
6250 PRINTfs1%,Weighting%(J%)
6260 NEXT J%
6265 ENDPROC
6290 DEF FNCalcW(A,B)
6300 LOCALX$,Y$,Z$,P,L,D
6320 FOR J%=A TO B
6330 X%=Sflagarray$(J%)
6340 Y%=LEFT$(X$,1):Z%=RIGHT$(X$,1)
6350 IF VAL(Y%)=0 GOTO 6370
6360 P=P+1:L=L+VAL(Y%):D=D+VAL(Z%)
6370 NEXT J%
6380 P=INT((P/((B-A)+1))*100)
6390 L=L/((B-A)+1):D=D/((B-A)+1)

```

```
6400 =INT(P*L*D)
6500 DEF FNcalcs2(row%)
6510 LOCAL L,N,D,col
6520 FORcol=1TO6
6530 obj%=Marray$(row%,col)
6540 comp%=LEFT$(obj%,1):dur%=RIGHT$(obj%,1)
6550 IF comp%=" " AND dur%=" " GOTO6580
6560 L=L+VAL(comp%):D=D+VAL(dur%)
6570 N=N+1
6580 NEXTcol
6590 IF N=0 GOTO6610
6600 L=L/N:D=D/N
6610 W%=INT(N*L*D)
6620 IF L>0 AND W%=0 W%=W%+1
6630 =W%
```

>



LOAD"MENU2"

>LIST

```
20 CLS:care$=" "
30 *FX229,1
40 *KEY 4 "4"
60 *KEY 1 "1"
70 *KEY 2"2"
80 *KEY 3"3"
90 *KEY 10 "OLD IN RUN:10"
95 IF AX=2:AX=0:PROCTutor
100PRINTCHR$(129);CHR$(141);CHR$(157);CHR$(135);"      MALCM SYSTEM - MAIN MENU"
110PRINTCHR$(129);CHR$(141);CHR$(157);CHR$(135);"      MALCM SYSTEM - MAIN MENU"
130 PRINT'CHR$(129);"      (Copyright J.A.Byrne 1983)"
140 PRINT''CHR$(129);"PLEASE SELECT USING RED KEYS ONLY''
150 PRINT" f1 - System Data Operations"
160 PRINT" f2 - Tutor Access"
170 PRINT" f3 - Supervisor Access"
190 PRINTCHR$(134);care$
200 care$=" ":X=GET
210 IF X=49 PROCSdo
220 IF X=50 PROCTutor
230 IF X=51 CHAIN"SS"
250 IF X<49 OR X>51:care$="WRONG KEY PRESSED - TRY AGAIN":CLS:GOTO100
260 END
400 DEF PROCSdo
410 CLS:PRINTCHR$(129);CHR$(157);CHR$(135)"MALCM - SYSTEM DATA OPERATIONS"
420 PRINT''"Do you want to:"
430 PRINT''"f1 - Alter TUTOR details ?"
440 PRINT "f2 - Alter STUDENT details ?"
450 PRINT "f3 - Do neither of these - escape ?"
460 PRINT ''"PLEASE SELECT USING ";CHR$(129);"RED KEYS";CHR$(135);" ONLY"
470 X=GET:IF X=49 CHAIN"SDD1"
480 IF X=50 CHAIN"SDD2"
490 IF X=51 GOTO20
495 PRINT'CHR$(134);"WRONG KEY PRESSED - TRY AGAIN":GOTO470
496 ENDPROC
500 DEF PROCTutor
510 CLS
520 PRINTCHR$(135);CHR$(141);CHR$(157);CHR$(129);"      MALCM - TUTORS SEQUENCE"
530 PRINTCHR$(135);CHR$(141);CHR$(157);CHR$(129);"      MALCM - TUTORS SEQUENCE"
540 PRINT''"Do you want to:"
550 PRINT"f1 - Give new ratings for SKILLS ?"
560 PRINT"f2 - Give new ratings for BEHAVIOURS ?"
570 PRINT"f3 - Produce a LITERACY CURRICULUM"      PROFILE (LCP) ?"
580 PRINT"f4 - None of these - escape ?"
585 PRINT"Please select using ";CHR$(129);"RED KEYS";CHR$(135);"only"
590 X=GET
595 IF X<49 OR X>52 PRINTcare$:GOTO590
600 IF X=49 CHAIN "TUTOR-S"
610 IF X=50 CHAIN "TUTOR-B"
620 IF X=51:CLS:INPUT"TYPE IN YOUR STUDENT'S ID:""THEN PRESS RETURN:""ID$
622 IF X=52:RUN
625 $%7B01=ID$:CHAIN"LCP"
630 GOTO20
640 ENDPROC
```



LOAD" "MENU"

>LI.

1 HINEM=&7B00

2 *FX11,0

5 CLS

10 p1%-OPENUP("p1"):PTR&p1%=0:SupID%=&GET&p1%:INPUT&p1%,Supname\$

12 CLOSE&p1%

15 ?&7B50=SupID%:;&7B60=Supname\$

16 PRINT"SUPERVISOR IS: ";&7B60;" NO: "?&7B50

18INPUT"ENTER TODAY'S DATE""Date\$:CLS

19REPEAT:Date\$=Date\$+" ":UNTIL LEN(Date\$)=30 :;&7B20=Date\$

20 CHAIN"MENU2"

>

