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1 REM          "CONCENTRATION"
2 REM          by Jason Hood
3 REM          The Astrad User, Mar. '89
4 REM
10 RANDOMIZE TIME
20 MODE 1:DIM X(10),Y(6),CHAR(15),CARD(60),CORD(60,1),S
C(4),PL(4),CUP(30,1)
30 PRINT*      INITIALISING. PLEASE WAIT*
40 FOR J=1 TO 15
50 READ A,B,C,D,E,F,G,H
60 SYMBOL 239+J,A,B,C,D,E,F,G,H
70 CHAR(J)=239+J
80 NEXT
90 DATA 24,82,247,255,255,126,60,24
100 DATA 4,8,8,86,171,213,186,60
110 DATA 8,8,28,28,34,99,243,96
120 DATA 44,118,231,247,247,247,182,44
130 DATA 24,82,255,255,255,255,126,36
140 DATA 255,153,231,231,231,126,42,8
150 DATA 8,224,228,74,74,74,49,8
160 DATA 137,64,28,42,21,64,21,48
170 DATA 32,127,95,127,127,91,219,27
180 DATA 35,226,162,254,198,62,18,54
190 DATA 8,153,189,98,126,126,189,129
200 DATA 8,8,28,42,127,42,8,28
210 DATA 8,16,56,124,254,254,84,16
220 DATA 8,188,254,254,124,56,16,8
230 DATA 8,16,56,124,254,124,56,16
240 FOR J=1 TO 15:FOR K=1 TO 4
250 A=INT(RND*60)+1
260 IF CARD(A)<>8 THEN 250
270 CARD(A)=CHAR(J)
280 NEXT K,J
290 A=3
300 FOR J=1 TO 60 STEP 10:FOR K=0 TO 9
310 CORD(J+K,0)=(J+K)*4-(J*4-2)
320 CORD(J+K,1)=A
330 NEXT: A=A+3: NEXT
340 CLS: INPUT "How many players (1 to 4)"; PL
350 IF PL<1 OR PL>4 THEN 340
360 FOR J=1 TO PL
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370 PRINT:PRINT Type in player's name";INPUT name";PL$(J)
380 IF PL$(J)="*" THEN 370
390 IF LEN(PL$(J))>10 THEN PRINT"10 max.":GOTO 370
400 NEXT
410 IF PL=1 THEN PRINT:PRINT"Player 2 will be Arnold.":
PL=2:PL$(PL)="Arnold"
420 PRINT:PRINT:PRINT"SCORES: Card suits ("CHR$(251)"
"CHR$(252)" "CHR$(253)" "CHR$(254)") - 6 pts"
430 PRINT:PRINT" Fruits ("CHR$(240)" "CHR$(24
1)" "CHR$(242)" "CHR$(243)" "CHR$(244)") - 4 pts"
440 PRINT:PRINT" Animals ("CHR$(245)" "CHR$(246
)" "CHR$(247)" "CHR$(248)" "CHR$(249)" "CHR$(250)") - 2
pts"
450 PRINT:PRINT:PRINT"Press any key to play...":C
ALL $BB10
460 CLS:LOCATE 13,1:PRINT CHR$(24);"CONCENTRATION";CHR$(
24):PRINT
470 FOR J=1 TO 60
480 PRINT J;IF J<10 THEN PRINT" ";
490 IF J/10=INT(J/10) THEN PRINT:PRINT
500 NEXT
510 I=1
520 FOR J=1 TO PL
530 LOCATE 30,21:PRINT"Score:"SC(J)
540 IF PL$(J)="Arnold" THEN 730
550 LOCATE 1,21:PRINT PL$(J);:INPUT", which number?";N
560 IF N<1 OR N>60 THEN 550
570 IF CARD(N)=0 THEN 550
580 Z=N:GOSUB 1210
590 LOCATE CORD(N,0),CORD(N,1):PRINT CHR$(CARD(N))" "
600 LOCATE 1,23:PRINT PL$(J);:INPUT", another number?";N
1
610 IF N1=N THEN 600
620 IF N1<1 OR N1>60 THEN 600
630 IF CARD(N1)=0 THEN 600
640 Z=N1:GOSUB 1210
650 LOCATE CORD(N1,0),CORD(N1,1):PRINT CHR$(CARD(N1))"
"
660 IF CARD(N)=CARD(N1) THEN GOSUB 900:GOTO 700
670 FOR P=1 TO 1000:NEXT P
680 LOCATE CORD(N,0)-1,CORD(N,1):PRINT N
690 LOCATE CORD(N1,0)-1,CORD(N1,1):PRINT N1
700 LOCATE 1,21:PRINT STRING$(120,32)
710 IF COUNT=60 THEN 1120
720 NEXT J:GOTO 520
730 FOR K=1 TO I-1
740 FOR Q=K+1 TO I
750 IF CUP(K,1)=CUP(Q,1) THEN N=CUP(K,0)+N1=CUP(Q,0):G
O TO 850
760 NEXT Q,K
770 N=INT(RND*60)+1
780 IF CARD(N)=0 THEN 770
790 FOR K=1 TO I
800 IF CUP(K,1)=CARD(N) THEN N1=CUP(K,0):IF N1=N THEN B
20 ELSE 840
810 NEXT
820 N1=INT(RND*60)+1:IF N1=N THEN 820
830 IF CARD(N1)=0 THEN 820
840 Z=N:GOSUB 1210:Z=N1:GOSUB 1210
850 LOCATE 1,21:PRINT PL$(J)", will move";N
860 LOCATE CORD(N,0),CORD(N,1):PRINT CHR$(CARD(N))" "
870 FOR P=1 TO 1000:NEXT P
880 LOCATE 1,23:PRINT PL$(J)", will also move";N1
890 GOTO 650
900 LOCATE 1,21:PRINT STRING$(120,32)
910 FOR K=1 TO 12
920 PRINT CHR$(24)
930 LOCATE CORD(N,0),CORD(N,1):PRINT CHR$(CARD(N))
940 LOCATE CORD(N1,0),CORD(N1,1):PRINT CHR$(CARD(N1))
950 LOCATE 17,21:PRINT"MATCH!"
960 FOR P=1 TO 250:NEXT P
970 NEXT K
980 IF CARD(N)<255 THEN PTS=6
990 IF CARD(N)<251 THEN PTS=2
1000 IF CARD(N)<245 THEN PTS=4
1010 SC(J)=SC(J)+PTS:IF SC(J)>H THEN H=SC(J):L=J
1020 LOCATE CORD(N,0),CORD(N,1):PRINT" "
1030 LOCATE CORD(N1,0),CORD(N1,1):PRINT" "
1040 CARD(N)=0:CARD(N1)=0
1050 FOR K=1 TO I
1060 IF CUP(K,0)=N THEN F=K
1070 IF CUP(K,0)=N1 THEN F1=K
1080 NEXT
1090 IF F>F1 THEN Q=F:GOSUB 1270:Q=F1:GOSUB 1270
1100 IF F1>F THEN Q=F1:GOSUB 1270:Q=F:GOSUB 1270
1110 J=J-1:COUNT=COUNT+2:RETURN
1120 CLS
1130 FOR J=1 TO PL
1140 LOCATE 10,J*2:PRINT PL$(J)", has a score of";SC(J)
1150 NEXT
1160 LOCATE 10,15
1170 PRINT"so "PL$(L)" is the winner!"
1180 LOCATE 10,20:INPUT"Another Game (Y/N)";A#
1190 IF A#="Y" OR A#="y" THEN RUN
1200 CLS:END
1210 FOR K=1 TO I
1220 IF CUP(K,0)=Z THEN F=1:K=1
1230 NEXT
1240 IF F=1 THEN F=0:RETURN
1250 CUP(1,0)=Z:CUP(1,1)=CARD(Z)
1260 I=I+1:RETURN
1270 FOR K=0+1 TO I
1280 CUP(K-1,0)=CUP(K,0)
1290 CUP(K-1,1)=CUP(K,1)
1300 NEXT K
1310 I=I-1:RETURN

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