



BBC Micro

Hangman

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10 REM
20 N=11
30 DIM W$(N)
40 REM initialise
50 D$=""
60 FOR I=1 TO N
70 READ W$
80 W$(I)=W$
90 NEXT I
100 MODE 1
110 REM start new word
120 CLS
130 PRINT TAB(5,1);"HANGMAN"
140 W$=W$(RND(N))
150 C=@:W=@:D$=""
160 G$=""
170 PRINT TAB(5,23);"Letters tried is"
180 L=LEN(W$)
190 PRINT TAB(9,20);LEFT$(D$,L)
200 REM input the trial letter
210 PRINT TAB(5,30);STRING$(34," ")
220 INPUT TAB(5,30);I$
230 REM check input letter
240 IF L$="" THEN SOUND 1,-15,50,5:GOTO 210
250 IF LEN(L$)>1 THEN SOUND 1,-15,50,5:GOTO 210
260 F$=""
270 FOR I=1 TO LEN(G$)
280 IF L$(MID$(G$,I,1)) THEN GOTO 330
290 PRINT TAB(5,30);"YOU HAVE ALREADY TRIED THAT LETTER"
300 SOUND 1,-15,50,5
310 TX=TIME:REPEAT UNTIL TIME>TX+500
320 NEXT I
330 IF F$=I THEN 210
340 G$=G$+L$
350 PRINT TAB(5,25);G$
360 REM test letter against word
370 F$=""
380 FOR I=1 TO L
390 IF L$(MID$(W$,I,1)) THEN GOSUB 400
400 NEXT I
410 IF F$="" THEN GOSUB 670
420 IF D=1 THEN GOSUB 590:GOTO 120
430 IF C=L THEN GOSUB 530:GOTO 120
440 GOTO 210
450 END
460 REM letter matches
470 PRINT TAB(4,1,20);I$
480 C=C+1
490 F$=""
500 SOUND 1,-15,200,5:SOUND 1,0,0,2
510 RETURN
520 REM success!
530 FOR I=1 TO 200 STEP 10
540 SOUND 1,-15,1,2
550 NEXT I
560 RETURN
570 REM failure!
580 FOR I=200 TO 1 STEP -10
590 SOUND 1,-15,1,2
600 NEXT I
610 CLS
620 PRINT TAB(5,20);"THE WORD WAS I "I$
630 TX=TIME:REPEAT UNTIL TIME>TX+200
640 RETURN
650 REM letter doesn't match
660 W=W+1
670 ON W GOTO 690,740,780,810,830,870,890,910,930,960
680 VDU29,800,800:
690 MOVE 50,0
700 FOR A=0 TO 7 STEP 0.4
710 DRAW 50+COS(A),50+SIN(A)
720 NEXT A
730 VDU29,0;0;
740 RETURN
750 MOVE 800,750:DRAW 800,550
760 RETURN
770 MOVE 740,450:DRAW 750,450:DRAW 800,550
780 DRAW 850,450:DRAW 860,450
790 RETURN
800 MOVE 750,530:DRAW 800,750:DRAW 850,450
810 RETURN
820 RETURN
830 PLOT 69,200,200
840 PLOT 69,220,820
850 PLOT 69,720,820
860 RETURN
870 MOVE 720,790:DRAW 800,770:DRAW 820,790
880 RETURN
890 MOVE 600,400:DRAW 1100,400
900 RETURN
910 MOVE 1000,400:DRAW 1000,900
920 RETURN
930 MOVE 1000,700:DRAW 800,900
940 MOVE 1000,850:DRAW 750,900
950 RETURN
960 MOVE 900,700:DRAW 800,850
970 MOVE 780,790:PLOT 14,800,770:PLOT 5,820,790
980 MOVE 780,770:DRAW 800,750:DRAW 820,770
990 D=1
1000 RETURN
1010 REM the words
1020 DATA "MUTATION","REBATE","SERAPH","HANGMAN","BBC"
1030 DATA "SPECTRUM","GEOFF","ELEPHANT","XENOPHOB",
"WRINKLE","GRENADE"
    
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Spectrum

HANGMAN

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10 REM
20 LET N=11
30 DIM X$(N,10)
35 DIM Y(N)
40 REM initialise
50 LET D$=""
60 FOR I=1 TO N
70 READ W$
75 LET Y(I)=LEN W$
80 LET X$(I)=W$
90 NEXT I
110 REM start a new word
120 CLS
130 PRINT AT 1,1;"HANGMAN"
140 LET I=(1+INT (RND*N))
145 LET W$=X$(I)
150 LET C=@: LET W=@: LET D=@
160 LET G$=""
170 PRINT AT 20,1;"USED I "
170 LET L=Y(I)
180 PRINT AT 16,1;D$(1 TO L)
190 REM input the trial letter
200 INPUT L$
210 REM check input letter
220 IF L$="" THEN BEEP 0.25,-10: GO TO 210
230 IF L$=I THEN BEEP 0.25,-10: GO TO 210
240 IF LEN L$>1 THEN BEEP 0.25,-10: GO TO 210
250 LET F$=""
260 FOR I=1 TO LEN G$
270 IF L$(I) THEN GO TO 330
280 IF L$(I) THEN GO TO 330
290 PRINT AT 21,1;"YOU HAVE ALREADY TRIED THAT ONE"
300 BEEP 0.25,-10
310 PAUSE 25: PRINT AT 21,1,
320 LET F$=""
330 NEXT I
340 IF F$=I THEN GO TO 210
350 LET G$=G$+L$
360 PRINT AT 20,0;G$
370 REM test letter against word
380 LET F$=""
390 FOR I=1 TO L
400 IF L$(MID$(W$,I,1)) THEN GO SUB 480
410 NEXT I
420 IF F$="" THEN GO SUB 670: GO TO 120
430 IF D=1 THEN GO SUB 590: GO TO 120
440 IF C=L THEN GO SUB 530: GO TO 120
450 GO TO 210
460 STOP
470 REM letter matches
480 PRINT AT 16,1;L$
490 LET C=C+1
500 LET F$=""
510 BEEP 0.25,+10
520 RETURN
530 REM success!
540 FOR I=-10 TO 10
550 BEEP 0.1,I
560 NEXT I
570 RETURN
580 REM failure!
590 FOR I=10 TO -10 STEP -1
600 BEEP 0.1,I
610 NEXT I
620 CLS
630 PRINT AT 10,3;"THE WORD WAS I "I$
640 PAUSE 50
650 RETURN
660 REM letter doesn't match
670 LET W=W+1
680 IF W=2 THEN GO TO 690
690 IF W=3 THEN GO TO 750
700 IF W=4 THEN GO TO 810
710 IF W=5 THEN GO TO 870
720 IF W=6 THEN GO TO 830
730 IF W=7 THEN GO TO 890
740 IF W=8 THEN GO TO 910
750 IF W=9 THEN GO TO 930
760 IF W=10 THEN GO TO 960
770 PLOT 200,140: DRAW 0,-40
780 RETURN
790 DRAW -10,-20: DRAW 10,-20: DRAW 4,0
800 PLOT 200,100: DRAW 10,-20: DRAW 10,-25
810 RETURN
820 PLOT 190,110: DRAW 10,25: DRAW 10,-25
830 RETURN
840 PLOT 200,150
850 PLOT 196,155
860 PLOT 204,155
870 RETURN
880 PLOT 196,148: DRAW 4,-4: DRAW 4,4
890 RETURN
900 PLOT 170,60: DRAW 80,0
910 PLOT 240,60: DRAW 0,115
920 RETURN
930 DRAW -40,0
940 PLOT 240,165: DRAW -10,10
950 RETURN
960 PLOT 200,175: DRAW 0,-15
970 OVER 1: PLOT 196,148: DRAW 4,-4: DRAW 4,4: OVER 0
980 PLOT 196,144: DRAW 4,4: DRAW 4,-4
990 LET D=1
1000 RETURN
1010 REM the words
1020 DATA "MUTATION","REBATE","SERAPH","HANGMAN","BBC"
1030 DATA "SPECTRUM","GEOFF","ELEPHANT","XENOPHOB",
"WRINKLE","GRENADE"
    
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A Case In Point
Notice that you must prompt the Hangman player to use either upper- or lower-case letters, according to the case of the mystery word