

Hangman

In this rather sophisticated game of Hangman the computer invites you to guess words from a range of topics, including animals, countries of the world, composers and artists, chemical elements, christian names and general verbs.

The strings from which the words are chosen by the computer are stored in A\$ and you may wish to modify the program to include your own words and topics or to combine all the existing topics so that the selected word can be taken randomly from any one of them. Note that some of the topics are divided up into two distinct groups of words of different lengths and random number routines are used in the program to determine which group the word is to be chosen from.

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1  REM *** BBC VERSION ***
2  REM *** HANGMAN ***
4  GOSUB 7000
5  MODE1:CLS:VDU23,1,0;0;0;0;0;:GOSUB10000
6  REM @ PAUL STANLEY
7  GOSUB 7000
10 GOSUB1000
95 FORI=1TO10000:NEXT:VDU20:CLS:RETURN
99  END
100 IF RND(1)>.5 THEN GOTO125
110 A$="PIGEONDONKEYBUDGIEMAGGOTJAGUARSPID
ERBEETLEWEEVILEARWIGSHRIMPSALMONPLAICEMINNOWB
ADGERCATTLEKITTENLOCUSTMAGPIERABBITTURKEYTURT
LECANARYGERBILMONKEYCURLEW"
120 I=RND(25)*6-5:B$=MID$(A$,I,6):RETURN
125 A$="SNAILROACHHIPOLLAMACHIMPCAMELHORS
ETIGERHOUNDSNAKEROBINHERONRAVENSTORKTROUTWHAL
EHYENAPANDASKUNKTAPIRZEBRAMOUSESHREWEAGLESWIF
TPERCHPRAWNOTTERGOOSEKOALASHEEP"
130 I=RND(31)*5-4:B$=MID$(A$,I,5):RETURN
150 IF RND(1)>.5 THEN GOTO175
160 A$="ALBANIAAUSTRIABELGIUMDENMARKFINLAN
DGERMANYHUNGARYICELANDIRELANDRUMANIABAHRAINLE
BANONALGERIALIBERIANIGERIASENEGALTUNISIABERMU
DAJAMAICABOLIVIAURUGUAY"
170 I=RND(21)*7-6:B$=MID$(A$,I,7):RETURN

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175  A$="TURKEYUGANDASWEDENPOLANDNORWAYMEXI
COKUWAITISRAELGREECEZAMBIAFRANCECYPRUSCANADAB
RAZILTAIWANPANAMAMALAWIJORDANAZORESANGOLA "
185  I=RND(20)*6-5:B$=MID$(A$,I,6):RETURN
210  I=RND(16)*7-6:B$=MID$(A$,I,7):RETURN
250  IF RND(1)>.5 THEN GOTO275
260  A$="BARIUMCARBONCERIUMCOBALTCOPPERCURI
UMERBIUMHELIUMINDIUMIODINENICKELOSMIUMOXYGENR
ADIUMSILVERSODIUM"
265  I=RND(16)*6-5:B$=MID$(A$,I,6):RETURN
275  A$="ARSENICBISMUTHBROMINECADMIUMCAESIUM
CALCIUMFERMIUMGALLIUMHAFNIUMHOLMIUMIRIDIUMKR
YPTONLITHIUMMERCURYRHENIUMRHODIUMSILICONSULPH
URTERBIUMTHORIUMTHULIUMYTTRIUM"
280  I=RND(22)*7-6:B$=MID$(A$,I,7):RETURN
300  A$="JAMESDAVIDEDGARHENRYCAROLHELENBRIA
NSALLYSARAHSUSANPETERSIMONMANDYKEVINS
COTTNIGELMILESROBINVENUSROMEOCECILDYLANPERCY
LEIGHHEMILYPABLOFRANKCLIVEDIANANIKCYTRACY
BARRYGEOFFTERRY"
320  I=RND(34)*5-4:B$=MID$(A$,I,5):RETURN
350  IF RND(1)>.5 THEN GOTO375
360  A$="CARRYCATCHMARRYLAUGHTWISTBRINGFETC
HWRITECLIMBWORRYGLIDEAWASHSHOOTDODGEPUNCHSMAC
KSCALETHROWLOATHDRIVEPRESSTASTESPEAKHURRYS
CORTRAILFORCEPROVETRACEPAINT"
370  I=RND(30)*5-4:B$=MID$(A$,I,5):RETURN
375  A$="COLOURTHRILLUNLOCKAFFECTABDUCTFOLL
OWATTACKDEFENDDIFFERSELECTOUTPUTDEFINECHANCE
MODIFYREMAINACCEPTSPRINGASSUREVANISHFINISH
TRAVEL"
390  I=RND(21)*6-5:B$=MID$(A$,I,6):RETURN
1000 COLOUR2:PRINTTAB(13,3)"H A N G M A N"
1005 COLOUR1:PRINTTAB(6,7)"Which subject do
you want?"
1010 COLOUR3:PRINTTAB(6,10)"1.....ANIMALS",T
AB(6,12)"2.....COUNTRIES OF THE WORLD",TAB(6,
14)"3.....COMPOSERS & ARTISTS"
1020 PRINTTAB(6,16)"4.....CHEMICAL ELEMENTS"
,TAB(6,18)"5.....CHRISTIAN NAMES",TAB(6,20)"6
.....GENERAL VERBS"
1050 COLOUR1:PRINTTAB(7,25)"Press the approp
riate key"
1060 I=GET:IFI<49 OR I>54 THENGOTO1060
1070 GOSUB (50+50*VAL(CHR$(I)))
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1080 CLS
1090 COLOUR1:PRINTTAB(19,5)"H A N G M A N"
1100 S=0:C=0:L=LEN(B$):Y=13:X=15
1105 COLOUR2:PRINTTAB(19,6)"Your guesses:"
1110 COLOUR1:FORF=1TOL:PRINTTAB(17+F*2,8)"?"
: NEXT
1120 COLOUR2:PRINTTAB(19,12)"Guess a letter"
1125 JJ=0
1130 I=GET:IF I<65 OR I>90 THENGOTO1130
1135 JJ=JJ+1:IF MID$(T$,JJ,1)=CHR$(I) THEN
JJ=0:GOTO1130
1137 IF JJ<20 GOTO1135
1138 T$=T$+CHR$(I)
2000 S1=S:FORF=1TOL
2010 IF CHR$(I)=MID$(B$,F,1) THEN GOTO2100
2020 NEXT:IF S=S1 THEN SOUND2,-12,53,2:SOUND
3,-12,80,3:GOSUB(5000+10*C):C=C+1
2030 IF S=S1 THEN COLOUR1:PRINTTAB(X+4,Y+5)C
HR$(I):X=X+2:IFX=33 THEN X=15:Y=Y+2
2040 GOTO1120
2100 COLOUR2:PRINTTAB(17+F*2,8)CHR$(I)
2110 SOUND2,-12,190,2:S=S+1:IF S=L THEN GOTO
3000
2115 NEXTF
2120 GOTO1120
3000 COLOUR2:PRINTTAB(4,25)"WELL DONE! YOU C
ORRECTLY GOT":COLOUR1:PRINTTAB(4,26)B$:COLOUR
2:PRINTTAB(13,26)"IN ";C+S;" GUESSES"
3010 FORF=1TO15000:NEXT:T$="":GOTO1000
5000 COLOUR1:FORF=1TO14:VDU31,F+4,23,144:NE
XT:RETURN
5010 COLOUR1:FORF=5TO17:PRINTTAB(6,F+5)CHR$
144:NEXT:RETURN
5020 COLOUR1:FORF=1TO8:VDU31,5+F,9,144:NEXT
:RETURN
5030 GCOL0,1:FORF=0TO5:MOVE224,608+F:DRAW32
0-F,700-F:NEXT:RETURN
5040 COLOUR1:VDU31,13,10,144:RETURN
5050 GCOL0,2:PROCCR(428,636,36):MOVE408,640
:DRAW412,640:DRAW412,644:DRAW408,644:MOVE432,
640:DRAW436,640:DRAW436,644:DRAW432,644
5052 MOVE420,632:DRAW432,620:DRAW424,620:DR
AW420,624
5056 MOVE404,620:DRAW424,612:DRAW444,620:RE
TURN

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5060 GCOL0,2:FORF=73TO76:MOVEF*4+128,576:DR
AWF*4+128,596:NEXT
5062 COLOUR2:VDU31,12,14,143,143,143,31,11,
15,143,143,143,143,143,31,12,16,143,143,143,3
1,13,17,143:RETURN
5070 GCOL0,2:MOVE460,576:DRAW500,616:DRAW504
,616:DRAW464,576:PROCCR(516,624,4):PROCCR(516
,624,8):PROCCR(516,624,12):RETURN
5080 GCOL0,2:MOVE384,576:DRAW344,616:DRAW34
0,616:DRAW380,576:PROCCR(332,624,4):PROCCR(33
2,624,8):PROCCR(332,624,12):RETURN
5090 GCOL0,2:FORF=1TO4:MOVE396+F*4,476:DRAW3
16+F*4,356:NEXT
5092 COLOUR2:VDU31,9,21,143,143:RETURN
5100 GCOL0,2:FORF=1TO4:MOVE444+F*4,476:DRAW5
24+F*4,356:NEXT
5102 COLOUR2:VDU31,16,21,143,143
5110 COLOUR1:PRINTTAB(4,25)"BAD LUCK! YOU'V
E BEEN HANGED.",TAB(4,27)"THE ANSWER WAS ";B$
5120 GOTO3010
7000 FORL=5000TO5090STEP10:GOSUB L:NEXT
7050 GCOL0,2:FORF=1TO4:MOVE444+F*4,476:DRAW5
24+F*4,356:NEXT
7060 COLOUR2:VDU31,16,21,143,143
7080 FORF=110TO180STEP5:SOUND2,-12,F,5:SOUND
3,-12,290-F,5:NEXT
8000 COLOUR3:VDU19,3,4,0,0,0:VDU31,1,25,144,
32,32,144,32,144,144,144,144,32,144,145,32,32
,144,32,144,144,144,144,32,144,145,32,146,144
,32,144,144,144,144,32,144,145,32,32,144
8002 VDU31,1,26,144,32,32,144,32,144,32,32,
144,32,144,146,32,32,144,32,144,32,32,32,32,1
44,146,32,145,144,32,144,32,32,144,32,144,146
,32,32,144
8004 VDU31,1,27,144,144,144,144,32,144,144,1
44,144,32,144,32,144,32,144,32,144,32,144,144
,32,144,32,144,32,144,32,144,144,144,32,1
44,32,144,32,144
8006 VDU31,1,28,144,32,32,144,32,144,32,32,1
44,32,144,32,32,145,144,32,144,32,32,144,32,1
44,32,32,32,144,32,144,32,32,144,32,144,32,32
,145,144
8008 VDU31,1,29,144,32,32,144,32,144,32,32,1
44,32,144,32,32,146,144,32,144,144,144,144,32
,144,32,32,32,144,32,144,32,32,144,32,144,32,
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32,146,144
  8010  FORJ=2TO9:VDU19,3,J,0,0,0:FORI=1TO1000:
NEXT:NEXT
  9000  COLOUR2:PRINTTAB(20,10)"@ Paul Stanley"
10000  VDU23,143,255,255,255,255,255,255,255,255,2
55,23,144,255,129,155,181,181,177,191,255,23,
145,240,240,240,240,240,240,240,240,23,146,15
,15,15,15,15,15,15:T$="":RETURN
10010  END
11000  DEF  PROC CR(AC,BC,RC):MOVEAC-RC,BC:FORXC
=(AC-RC)TO(AC+RC)STEP4:YC=BC+SQR(RC^2-(XC-AC)
^2):DRAWXC,YC:NEXT:FORXC=(AC+RC)TO(AC-RC)STEP
-4:YC=BC-SQR(RC^2-(XC-AC)^2):DRAWXC,YC:NEXT:EN
DPROC

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