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FOCAL8-42

TITLE

The Hangman Game



DEMONSTRATION PROGRAMS FOR THE PDP-8

THE HANGMAN GAME

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Operating Instructions - Load the FOCAL program tape using the binary loader. Follow the FOCAL operating instructions.

Place the HANGMAN GAME tape in the reader. Read in program according to FOCAL operating instructions.

Playing Instructions - Type GOTO 10.10. The computer will respond with a :. Type the number of letters in the word, then hit RETURN. The computer will respond with a :. Type the first letter in the word, then hit RETURN. Type the next letter in the word (if any), then hit RETURN. Do this until you have loaded all the letters in the word (do not use more than 20 letters). After the last letter is loaded and you hit RETURN, the computer should respond with an \*. If not repeat step one.

Rip the paper off so the person who is playing the game will not see the word.

The person playing the game should type GO. The computer will type out:

THE HANGMAN GAME

THE WORD HAS (# of letters in the word)  
LETTERS. YOU ARE ENTITLED TO 8 WRONG  
GUESSES.

MAKE YOUR NUMBER 1 GUESS

LETTER:

The person playing the game should type a letter he thinks is in the word. If the letter guessed is a letter in the word the computer will type out dashes and fill in the letter guessed.  
EXAMPLE:

LETTER:A                      LETTER:E  
-a-----                      -e-----e--

If the guess is wrong the computer will type out,

-----(# depending on the # of letters in  
the word)

YOU HAVE NOT GUESSED A LETTER IN THE WORD:

1 WRONG.

Then after what it types, depending whether it  
was wrong or not, the computer will type out,

MAKE YOUR NUMBER 2 GUESS.

LETTER:

The person playing the game should proceed the  
same way until he either wins or loses.

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C-FOCAL , 8/68

01.01 C HANGMAN GAME

01.10 S NR=0; S M=N+8; S RI=0

01.2 T !"THE HANGMAN GAME"!

01.30 T !"THE WORD HAS ",N," LETTERS. "

01.35 T "YOU ARE ENTITLED TO 8 WRONG GUESSES."!!

01.4 F K=1,N; T !"MAKE YOUR NUMBER",K," GUESS"!!!; D 2

02.10 A ?LETTER?

02.20 S S=0; F J=1,N; D 3

02.21 T (S) 2.55; S NR=NR+1

02.40 T !"YOU HAVE NOT GUESSED A LETTER IN THE WORD:",NR,

02.41 T " WRONG"!

02.45 I (NR-8) 2.55

02.47 T !"YOU HAVE HUNG YOUR MAN!!!!!!"!

02.48 T !"THE CORRECT ANSWER IS: "; F I=1,N; S A(I)=B(I); D 4

02.49 T " "!!!!!"

02.50 BIT

02.55 F T=1,N; D 4

02.56 E

03.1 I (LE-B(J)) 3.20,3.30

03.2 E

03.3 S S=-1; S RI=RI+1; S A(J)=LE

03.35 I (RI-1) 3.40,3.60,3.70

03.40 K

03.6 T !"GOOD JOB, YOU HAVE SAVED YOUR MAN FROM THE GALLOWS!!!"

03.41 T "AS YOU KNOW, THE WORD WAS:"; F I=1,N; D 4

03.42 T " "!!!!!"

03.43 E

04.1 I (A(I)-1) 8.24

04.2 I (A(I)-2) 8.13; I (A(I)-3) 8.02; I (A(I)-4) 8.03

04.3 I (A(I)-5) 8.04; I (A(I)-7) 8.05; I (A(I)-1) 8.06

04.4 I (A(I)-9) 8.07; I (A(I)-10) 8.08; I (A(I)-11) 8.09

04.5 I (A(I)-12) 8.10; I (A(I)-13) 8.11; I (A(I)-14) 8.12

04.6 I (A(I)-15) 8.13; I (A(I)-16) 8.14; I (A(I)-17) 8.15

04.7 I (A(I)-18) 8.16; I (A(I)-19) 8.17; I (A(I)-20) 8.18

04.8 I (A(I)-21) 8.19; I (A(I)-22) 8.20; I (A(I)-23) 8.21

04.9 I (A(I)-24) 8.22; I (A(I)-25) 8.23; I (A(I)-26) 8.24

04.10 I (A(I)-27) 8.25

04.11 I (A(I)-29) 8.27



A SAMPLE RUN OF HOW TO LOAD YOUR WORD IN THE COMPUTER:

```
*COTO 10.10  
:R  
:C  
:C  
:C  
:P  
:U  
:T  
:E  
:L  
*
```

A SAMPLE RUN OF THE PROGRAM:

```
400
```

```
THE HANGMAN GAME
```

```
THE WORD HAS      8      LETTERS. YOU ARE ENTITLED TO 3 WRONG GUESSES.
```

```
MAKE YOUR NUMBER      1      GUESS
```

```
LETTER:A
```

```
YOU HAVE NOT GUESSED A LETTER IN THE WORD:      1      WRONG
```

```
-----
```

```
MAKE YOUR NUMBER      2      GUESS
```

```
LETTER:E
```

```
-----E-
```

```
MAKE YOUR NUMBER      3      GUESS
```

```
LETTER:I
```

```
YOU HAVE NOT GUESSED A LETTER IN THE WORD:      2      WRONG
```

```
-----E-
```

```
MAKE YOUR NUMBER      4      GUESS
```

```
LETTER:O
```

```
-O-----E-
```

MAKE YOUR NUMBER 5 GUESS

LETTER:U  
-O--U-E-

MAKE YOUR NUMBER 6 GUESS

LETTER:N

YOU HAVE NOT GUESSED A LETTER IN THE WORD: 3 WRONG  
-O--U-E-

MAKE YOUR NUMBER 7 GUESS

LETTER:T  
-O--UTE-

MAKE YOUR NUMBER 8 GUESS

LETTER:R  
-O--UTER

MAKE YOUR NUMBER 9 GUESS

LETTER:O  
OO--UTER

MAKE YOUR NUMBER 10 GUESS

LETTER:I  
OOI--UTER

MAKE YOUR NUMBER 11 GUESS

LETTER:P

GOOD JOB, YOU HAVE SAVED YOUR MAN FROM THE GALLIUS!!  
AS YOU KNOW, THE WORD WAS:COMPUTER