

Description

Hangman is a popular word guessing game where the player attempts to construct a missing word by guessing one letter at a time. After a certain number of incorrect guesses, the game ends and the player loses. The game also ends if the player correctly identifies all the letters of the missing word.

Input

Your program will prompt the user for letter guesses until the word is correctly guessed or the player has exceeded the maximum number of guesses. User input should be checked to make sure it's valid. The program has a finite number of words your program will use – see the list later in this document.

Output

Your program should print a list of letters that have been guessed as well as display the correctly guessed letters in the word. A “graphical” representation of the hanging man (kinda gross when you think about it) is optional.

Sample Run

```
Welcome to hangman. You get seven chances to guess the mystery word.
```

```
-----
```

```
Pick a letter --> e
```

```
Guessed letters: E
```

```
  O
```

```
-----
```

```
Pick a letter --> a
```

```
Guessed letters: E A
```

```
  O
```

```
  |
```

```
-----
```

```
Pick a letter --> e
```

```
Sorry, you already guessed 'E'
```

```
Pick a letter --> i
```

```
Guessed letters: E A I
```

```
  O
```

```
 \ |
```

```
-----
```

Sample Run - continued

Pick a letter --> o

Gussed letters: E A I O

```
  O
 \|
_ O _ _ _ _
```

Pick a letter --> u

Gussed letters: E A I O U

```
  O
 \|/
_ O _ _ _ _
```

Pick a letter --> y

Gussed letters: E A I O U Y

```
  O
 \|/
_ O _ _ _ Y
```

Pick a letter --> 4

'4' is not a valid letter

Pick a letter --> xyz

'XYZ' has more than one letter.

Pick a letter --> l

Gussed letters: E A I O U Y L

```
  O
 \|/
_ O _ _ L Y
```

Pick a letter --> s

Gussed letters: E A I O U Y L S

```
  O
 \|/
 |
_ O _ _ L Y
```

Sample Run - continued

Pick a letter --> r

Gussed letters: E A I O U Y L S R

```
  O
 \|/
  |
  /
_ O _ _ L Y
```

Pick a letter --> k

Gussed letters: E A I O U Y L S R K

```
  O
 \|/
  |
 / \
_ O _ _ L Y
```

So sorry. You struck out.
The mystery word was 'COMPLY.'

Words

COMPLY
THREE
VACATION
INFORMATION
TECHNOLOGY
ORLANDO
COMPUTER
ROUTER
PRINTER
BUDGE
SOFTWARE
HARDWARE
OBJECTIVE
FILE
EMPLOYEE
SECURITY
DATA
REPORT
PROPERTY
OWNERSHIP