

Hangman

Exercises

Probably one of the most gruesome games played in school is hangman. Every year, millions of stick figures are executed because some kid makes horrible guesses. We here at *Save The Sticks* have decided that enough is enough. Our mission is to save the lives of as many stick men as possible, and the best way to do this is through lots of simulated practice.

Write a program to play a round of hangman. You will need two aligned arrays, one for each letter of the secret word and another with blanks.

Example:

```
String[] secretWord = {"s", "e", "c", "r", "e", "t"};
String[] hidden = {"_", "_", "_", "_", "_", "_"};
//use any word you like.
```

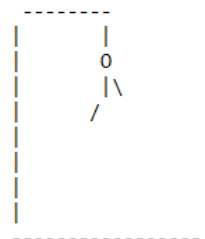
As the player guesses, replace the blanks with the correct letter. Also, the player should have a bad guess counter. Each time they guess wrong, the counter decreases. If they run out of guesses, the player loses. Be sure to let them know the secret word. You may use any loop type.

See Example run on the next page.

Advanced (optional):

Add art to your game. Create gallows and add a piece of the person every time there's a wrong guess. Also, display what letters have already been guessed. Let the user know if they guess the same letter a second time.

You can also add a word bank. Set up a word bank of at least 15 words, and set the entire game on a loop so you can play multiple times. Each time the game is played, a random word is chosen and the aligned arrays are created.



Bad Guesses: axptm
Guesses Left: 2

Secret Word: [s, _, i, _, n, _, _]

Enter your guess: |



Continue...

Exercises

Example Run:

Time to play HANGMAN!!
Can you save him?!?

Bad Guesses:
Misses Left: 7
[_, _, _, _, _, _, _, _]
Enter your guess: <e>
Good guess!

Bad Guesses:
Misses Left: 7
[e, _, _, e, _, _, _, _]
Enter your guess: <l>
Good guess!

Bad Guesses:
Misses Left: 7
[e, _, _, e, l, _, _, _]
Enter your guess: <s>
Good guess!

Bad Guesses:
Misses Left: 7
[e, _, _, e, l, s, _, _]
Enter your guess: <t>
Nope...

Bad Guesses: t
Misses Left: 6
[e, _, _, e, l, s, _, _]
Enter your guess: <a>
Nope...

Bad Guesses: ta
Misses Left: 5
[e, _, _, e, l, s, _, _]
Enter your guess: <i>
Good guess!

Bad Guesses: ta
Misses Left: 5
[e, x, _, e, l, s, i, _, _]
Enter your guess: <c>
Good guess!

Bad Guesses: ta
Misses Left: 5
[e, x, c, e, l, s, i, _, _]
Enter your guess: <o>
Good guess!

Bad Guesses: ta
Misses Left: 5
[e, x, c, e, l, s, i, o, _]
Enter your guess: <r>
Good guess!

Congratulations!!!

