

# Bonus Task - Hangman

Implement hangman as a console application. Note the following key points:

- The first player types the secret word in the console.
- Scan the word and store it letter by letter in an array.
- The second player repeatedly guesses a letter by typing it in the console.
- Scan each letter and compare it to the letters in the array.
- Reveal the correct letters at their positions within the word.
- The game is over if all letters are correctly guessed or after 6 failed guesses.

Further reading: [https://en.wikipedia.org/wiki/Hangman\\_\(game\)](https://en.wikipedia.org/wiki/Hangman_(game))

**Note:** Use `java.util.Scanner` to read user input.

## Example run

Enter the secret word:

java

Current progress:

- - - -

You have 6 wrong guesses left.

Guess a letter: j

Current progress:

j - - -

You have 6 wrong guesses left.

Guess a letter: w

Wrong guess!

Current progress:

j - - -

You have 5 wrong guesses left.

Guess a letter: a

Current progress:

j a \_ a

You have 5 wrong guesses left.

Guess a letter: v

Congratulations! You've guessed the word: java