1. What are escape characters, and how do you use them?

**To insert characters that are illegal in a string**, use an escape character. An escape character is a backslash \ followed by the character you want to insert.

Eg- without escape character—

txt = "We are the so-called "Vikings" from the north."

With escape character—

txt = "We are the so-called \"Vikings\" from the north."

1. What do the escape characters n and t stand for?

n = new line

t=tab

1. What is the way to include backslash characters in a string?

The \\ escape character will represent a backslash character.

4. The string "Howl's Moving Castle" is a correct value. Why isn't the single quote character in the word Howl's not escaped a problem?

Because the the string is enclosed by double quotes which does not confuse the compiler.

1. How do you write a string of newlines if you don't want to use the n character?

By using \r

6. What are the values of the given expressions?

'Hello, world!'[1]-- 'e'  
'Hello, world!'[0:5]-- 'Hello'

'Hello, world!'[:5]-- 'Hello'

'Hello, world!'[3:]-- 'lo world!

7. What are the values of the following expressions?

'Hello'.upper() – ‘HELLO’

'Hello'.upper().isupper() --True

'Hello'.upper().lower()--'hello'

8. What are the values of the following expressions?

a='Remember, remember, the fifth of July.'

a.split()'Remember, remember, the fifth of July.'.split()

['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

'-'.join('There can only one.'.split())

a='There can only one.'

'-'.join(a.split())

'There-can-only-one.'

9. What are the methods for right-justifying, left-justifying, and centering a string?

The rjust(), ljust(), and center() string methods, respectively

10. What is the best way to remove whitespace characters from the start or end?

The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively.