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

Escape characters are used to represent certain characters in a string that cannot be represented directly. [An escape character is a backslash followed by the character you want to insert](https://www.w3schools.com/python/gloss_python_escape_characters.asp)

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

[escape character \n stands for a newline character and \t stands for a tab character](https://www.tutorialspoint.com/csharp/csharp_character_escapes.htm)

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

print("She said \"Hello!\" to me.")

output:

She said "Hello!" to me.

1. 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?

Python, you can use either single quotes or double quotes to define a string

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

We can write a string of newlines without using the “n” character by using triple quotes

6. What are the values of the given expressions?

'Hello, world!'[1] - returns the second character of the string, which is ‘e’

'Hello, world!'[0:5] - returns a substring that starts at the first character and ends at the fifth character which is ‘Hello’

'Hello, world!'[:5] - returns a substring that starts at the first character and ends at the fifth character which is ‘Hello’.

'Hello, world!'[3:] - returns a substring that starts at the fourth character and goes to the end of the string, which is ‘lo, world!’.

7. What are the values of the following expressions?

'Hello'.upper() - returns the string ‘HELLO’

'Hello'.upper().isupper() – True the string ‘HELLO’ is in uppercase

'Hello'.upper().lower() - the string ‘hello’ because the string is first converted to uppercase and then to lowercase

8. What are the values of the following expressions?

'Remember, remember, the fifth of July.'.split() - returns a list of words in the string, which is [‘Remember,’, ‘remember,’, ‘the’, ‘fifth’, ‘of’, ‘July.’]

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

 ‘There-can-only-one.’

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

ljust()

rjust()

center()

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

strip() method to remove whitespace characters