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

The escape characters represent characters in string values that would otherwise be difficult or impossible to type into code.

They are used in for inserting new line or tab.

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

\n stands for new line

\t stands for tab

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

The way to include backslash characters in a string is to use a double backslashes.

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?

The string value "Howl's Moving Castle" is a valid string.

The single quote in Howl's is fine because you've used double quotes to mark the beginning and end of the string.

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

The multiline strings allow us to use newlines in strings without the \n escape character.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

'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'.upper().isupper()

'Hello'.upper().lower()

'Hello'.upper() --- ‘HELLO’

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

'Hello'.upper().lower() --- ‘hello’

8. What are the values of the following expressions?

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

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

'Remember, remember, the fifth of July.'.split() ---- ['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']

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

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

The right-justifying, left-justifying, and centering method of a string is 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 are used to remove whitespace from the left and right ends of a string.