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.

Some escape characters used in Python are:

\" Double quotation

\' Single Quote

\\ Backslash

\n New Line

\r Carriage Return

\t Tab

\b Backspace

\f Form Feed

\ooo Octal value

\xhh Hex value

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

Escape characters n stand for new line and t stands for tab.

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

By inserting \\ we can insert a backslash in a string.

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 single quote character in the word Howl’s is not a problem because the whole sentence is inside double inverted commas and so Python treats the whole thing as a string.

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

print command with an empty string as its argument like print() prints a new line.

**Code:**

print('first')

print()

print('second')

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?

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

['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?

The methods for right-justifying, left-justifying, and centering a string are:

string.ljust(width, fillchar)

string.rjust(width, fillchar)

string.center(width, fillchar)

width: The width of string to expand it.

fillchr (optional): The character to fill in remaining space.

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

Use the .strip() method to remove whitespace and characters from the beginning and the end of a string.