

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

Ans.) Escape characters or sequences are illegal characters for Python and never get printed as part of the output. When backslash is used in Python programming, it allows the program to escape the next characters.

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

Ans.) \n = New Line

\t Tab

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

Ans.) If you want to include a backslash character itself, you need two backslashes or use the @ verbatim 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?

Ans.) Because we have used the double quotes to mark the beginning and the ending of the string

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

Ans.) by using triple quotes at the beginning and at the end of the string to make it a multiline string.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!':['5]

'Hello, world!'[3:]

Ans.) 'e', 'Hello', 'Hello', 'lo, world!'

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Ans.) HELLO

True

False

8. What are the values of the following expressions?

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

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

Ans.) `['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']`

`There-can-only-one.`

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

Ans.)

`str.ljust(s, width[, fillchar])`

`str.rjust(s, width[, fillchar])`

`str.center(s, width[, fillchar])`

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

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

Use the `.lstrip()` method to remove whitespace and characters only from the beginning of a string.

Use the `.rstrip()` method to remove whitespace and characters only from the end of a string.