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

Ans.1

An escape character is a backslash \ followed by the character you want to insert.

i.e

\’ single quote

\\ backslash

\n new line

\r Carriage Return

\t Tab

\b backspace

\f form feed

\000 Octal value

\xhh Hex value

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

Ans.2

\n escape character use for break line & start a new line

\t escape character use for spacing between two words or letters.

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

Ans.3

Use the syntax "\\" within the string literal to represent a single backslash

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.4

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?

Ans.5

You can print strings without adding a new line with end = <character>, which <character> is the character that will be used to separate the lines.

6. What are the values of the given expressions?

'Hello, world!'[1]

Ans.

‘e’

'Hello, world!'[0:5]

Ans.

'Hello'

'Hello, world!'[:5]

Ans.

'Hello'

'Hello, world!'[3:]

Ans.

'lo, world!'

7. What are the values of the following expressions?

'Hello'.upper()

Ans.

‘HELLO’

'Hello'.upper().isupper()

Ans.

True

'Hello'.upper().lower()

Ans.

‘hello’

8. What are the values of the following expressions?

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

Ans.

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

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

Ans

'There-can-only-one.'

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

Ans.

The rjust() method will right align the string, using a specified character (space is default) as the fill character.

Syntax:

string.rjust(length, character)

The ljust() method will left align the string, using a specified character (space is default) as the fill character.

Syntax:

string.ljust(length, character)

The center() method will center align the string, using a specified character (space is default) as the fill character.

Syntax:

string.center(length, character)

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

Ans.

String strip() method is the best way to remove whitespace character from the start or end.