

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

Ans: To insert characters that are illegal in a string, we use an escape character.

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

An example of an illegal character is a double quote inside a string that is surrounded by double quotes: `txt = "We are the so-called "Vikings" from the north."`

We will get an error if we use double quotes inside a string that is surrounded by double quotes. The escape character allows you to use double quotes when you normally would not be allowed

`txt = "We are the so-called \"Vikings\" from the north."`

O/p: 'We are the so-called "Vikings" from the north.'

Other escape characters used in Python:

\ ' 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?

Ans: \n New Line and \t Tab

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

Ans: `txt = "This will insert one \\ (backslash)."`

O/p: This will insert one \ (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: Because we can use single quote inside double quote in string, vice versa is also true.

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

Ans: With the help of \r Carriage Return

`txt = "Hello\rWorld!"`

O/p: Hello

World!

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.'] its type becomes list.

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

'There-can-only-one.'

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

Ans: str = "My name is Janhavi"

s.ljust(40, '-')

o/p: 'My name is Janhavi-----'

s.rjust(40, '-')

o/p: '-----My name is Janhavi'

s.center(40, '*')

o/p: '*****My name is Janhavi*****'

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

Ans: `a= s.center(40)`

`Print(a)`

o/p: ' My name is Janhavi '

`a.rstrip()`

o/p: ' My name is Janhavi'

`a.lstrip()`

o/p: 'My name is Janhavi '