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

An escape character is a backslash \ followed by the character you want to insert. You will get an error if you use double quotes inside a string that is surrounded by double quotes to fix this problem, use the escape character \"

We can write escape characters in programs before some text . for eg :

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

print(tt)

Other escape characters used in Python:

Code name

\' Single Quote

\\ Backslash

\n New Line

\r Carriage Return

\t Tab

\b Backspace

\f Form Feed

\ooo Octal value

\xhh Hex value

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

N and t stands for new line and tab respectively.

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

txt = "This will insert one \\ backslash."

print(txt)

o/p -> This will insert one \ backslash.

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

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

Multiline strings allow you to use newlines in strings without the \n escape character.

**Eg:**

multiline\_str = """I'm learning Python.

It is the eg of multiline"""

print("Multiline string: \n" + multiline\_str)

**output:**

Multiline string:

I'm learning Python.

It is the eg of multiline

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()

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

The expressions evaluate to the following:

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

'There-can-be-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 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 remove whitespace from the left and right ends of a string, respectively.