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

Ans: "\" backslash is the escape character. It is used in representing certain white space characters or any other charcter

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

Ans:

\n - New line - by adding this o/p will be printed in the new line.

\t - Horizantal Tab - by adding this in the print a tab space will be given between o/p's

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

Ans:

An illegal character is a double quote in the string which is surrounded by double quote string

Ex: "We are the so-called \"Vikings\" from the north."

2. print("Hello \t World")

o/p : Hello World

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?

Single quote is present in the string where the string is started and ended with double quote("). so there will be no error

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

Ans: we can use multiline strings(""" three double quotes or ''' three single quotes) in place of \n

Example:

a = """Lorem ipsum dolor sit amet,

consectetur adipiscing elit,

sed do eiusmod tempor incididunt

ut labore et dolore magna aliqua."""

a = '''Lorem ipsum dolor sit amet,

consectetur adipiscing elit,

sed do eiusmod tempor incididunt

ut labore et dolore magna aliqua.'''

6. What are the values of the given expressions?

'Hello, world!'[1] ==> output : 'e'

'Hello, world!'[0:5] ==> output : 'Hello'

'Hello, world!'[:5] ==> output : 'Hello'

'Hello, world!'[3:] ==> output: 'lo, world!'

7. What are the values of the following expressions?

'Hello'.upper() == > output - 'HELLO'

'Hello'.upper().isupper() ==> output - True

'Hello'.upper().lower() ==> output - 'hello'

8. What are the values of the following expressions?

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

O/p: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

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

o/p: 'There-can-only-one.'

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

rjust(), ljust(), center()

syntax:

string.rjust(length, character) ==> character by default space

txt = "Nolan"

x = txt.rjust(20)

print(x, "is my favorite director.")

o/p --> Nolan is my favorite director.

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

Ans: lstrip(), rstrip()

The Python lstrip() method removes the leading spaces—or A leading character you specified— from the left side of a string. The rstrip() method removes trailing spaces or characters from the right side of a string.