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

\' Single Quote

\\ Backslash

\n New Line

\r Carriage Return

\t Tab

\b Backspace

print('it's Sunday') **Error**

#above sentence can be reperesented using escape charecter as

print('it\'s Sunday') **Correct**

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

"\t" is a tab, "\n" is a newline

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

using a slash

print('its a backslash **\\** in a sentence')

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?

The single quote in Howl's is fine because we are using double quotes to mark the beginning and end of the string.

like wise we can use double quotes in with single quotes.

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

s="""khushboo

pandey"""

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() -> splits with space and returns list of words

'-'.join('There can only one.'.split()) splits with space and join with '\_'

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

The following methods are used for justifying strings

ljust()

rjust()

center()

# left justified

str ="Hello"

str.ljust(10,"-")

'Hello-----'

# right justified

str ="How are you"

str.rjust(40,'\*')

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*How are you'

# center justified

str ="How are you"

str.center(40,'\*')

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*How are you\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*'

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

lstrip() -> removes white spaces from left of the string

rstrip() -> removes whitespaces from right of the string

str =" KP "

str.lstrip()

'KP '

str =" KP "

str.rstrip()

' KP'