**Assignment - 6**

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

Answer: -

Escape characters are used to insert the something illegally into the string. For example

text = “i am going to my house which is in “Mumbai”.”

Double quote inside double quote is not allowed but with the use of escape character, it can be possible.

text = “i am going to my house which is in \“Mumbai\”.”

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

Answer: -

n stands for new line and t stands for tab.

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

Answer: -

\\ is used to include backslash character in a string.

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?

Answer: -

Single quote inside the double quote is allowed. As double quote is the in the beginning and end of the sentence so Howl’s is allowed and not required escape character.

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

Answer: -

To write a sting of new lines, we can use Multiline string that is “”” “””. It does not required \n.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Answer: -

‘e’

‘Hello’

‘Hello’

‘lo, world!’

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Answer: -

‘HELLO’

True

‘hello’

8. What are the values of the following expressions?

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

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

Answer: -

split() method splits a string into list and the default separator is whitespace.

Join() method joins the items into a string using the specified character.

[‘Remember,’, ‘remember,’, ‘the’, ‘fifth’, ‘of’, ‘July.’]

‘There-can-only-one.’

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

Answer: -

rjust(), ljust() and center() is used for right-justifying, left-justifying and centring a sting.

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

Answer: -

lstrip() and rstrip() are used to remove whitespace characters from the right side and left side of the string that is from the beginning and end of the string.