ASSIGNMENT-6

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. Escape character is like backslash (\), Double quote (\\), new line (\n), null character(\0), etc.

Example: txt = "This is an \"Object\" placed on table."

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

Ans: n stands for new line. t stands for Horizontal tab.

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

Ans: \\ is used.

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: blackslash shoud be used. Ex: **"How\'s Moving Castle"**

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

Ans: Python by default prints every output on a different line.

Example: print("Hello")

print("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.']`

`'-'.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: rjust(), ljust(), center()`

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

Ans: .strip() method is used along with string object.

Example: s = "   Hello World   "

s.strip()