**Python Assignments- 6**

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

**Ans:** In Python strings, the backslash "" is a special character, also called the "escape" character. It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline, and "\r" is a carriage return

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

**Ans:** "\t" is a tab, "\n" is a newline

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

**Ans:** The \\ escape character will represent a backslash character.

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:** The single quote in Howl's is fine because you’ve used double quotes to mark the beginning and end of the string.

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

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

6. What are the values of the given expressions?

'Hello, world!'[1] – **Ans :** ‘e’

'Hello, world!'[0:5] – **Ans :** ‘Hello’

'Hello, world!'[:5] **– Ans :** ‘Hello’

'Hello, world!'[3:] – **Ans :** ‘lo, world!’

7. What are the values of the following expressions?

'Hello'.upper() –**Ans :** ‘HELLO’

'Hello'.upper().isupper() –**Ans :** True

'Hello'.upper().lower() –**Ans :** ‘hello’

8. What are the values of the following expressions?

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

**Ans:** ['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']

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

**Ans:** 'There-can-be-only-one.'

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

**Ans:** The rjust(), ljust(), and center() string methods, respectively

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

**Ans:** The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively