**PYTHON BASIC ASSIGNMENT – Assignment\_6**

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

Escape characters are characters that are generally used to perform certain tasks and their usage in code directs the compiler to take a suitable action mapped to that character.

We can use them by using a backslash \ followed by the character you want to insert.

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

‘\n’ is used for getting a new line

‘\t’ is used for getting space

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

Use the syntax "\\" within the string literal to represent a single backslash.

**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 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?**

Python print() built-in function is used to print the given content inside the command prompt. The default functionality of Python print is that it adds a newline character at the end. This can be done if you don’t want to use the n character.

**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?**

ljust(), rjust(), center() are the methods used for right-justifying, left-justifying, and centering a string.

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

To remove whitespace characters from the beginning or from the end of a string only, you use the trimStart() or trimEnd() method.