**Assignment 6**

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

**Ans:** Escape character in python is backslash (\). We can use it in various ways. For example, printing any special character in a string or using it to create required amount whitespace in the string.

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

**Ans:** Escape character /n is used to create a new line and /t is used for tab button in a string.

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

**Ans:** For example, string=”/”This is my message/”” and if we print the string value it will give an output of “This is my message”.

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:** “ ‘ ” is a special character in python and has a special meaning in the code, therefore, program will throw an error even if it is used in double quotes. To escape this problem, we can use “/’” backslash in the string.

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

Ans: By default, every print statement has in built new line character. Therefore, if we can use many print statements, they all will display the result in new line.

6. What are the values of the given expressions?

‘Hello, world!’[1] **output: e**

‘Hello, world!’[0:5] **output: Hello**

‘Hello, world!’[:5] **output: Hello**

‘Hello, world!’[3:] **output: lo, world!**

7. What are the values of the following expressions?

‘Hello’.upper() **output: HELLO**

‘Hello’.upper().isupper() **OUTPUT: True**

‘Hello’.upper().lower() **Output: hello**

8. What are the values of the following expressions?

‘Remember, remember, the fifth of July.’.split() **Output: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']**

‘-’.join(‘There can only one.’.split()) **Output: There-can-only-one.**

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

**Ans:** Method for right-justifying is string.rjust(length, character), for left-justifying string.ljust(length, character) and for centering string.center(length, character)

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

**Ans:** str.lstrip() or str.rstrip() to remove whitespace characters from start or end.