**ASSIGNMENT-6 1)** **What are escape characters, and how do you use them?**

**Ans**: Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code. 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:** \n is a newline; \t is a tab.

**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 we have 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?**

**Ans:** 'Hello, world!'[1] 'Hello, world!'[0:5] 'Hello, world!'[:5] 'Hello, world!'[3:] I

'Hello, world!'[1]

'e'

'Hello, world!'[0:5]

'Hello'

'Hello, world!

'Hello '

'Hello' world!'[3:]

'lo world!'

**7) What are the values of the following expressions?**

**Ans:** 'Hello'. upper() 'Hello'. upper().supper() 'Hello' .upper().lower()

'Hello '.upper()

'HELLO'

'Hello'. upper().er()

True

'Hello '.upper().lower()

'hello'

**8) What are the values of the following expressions?**

**Ans:** 'Remember, remember, the fifth of July.' .split() '-'.join('There can only one. '.split()) '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:** The r just(), l just(), and enter() string methods, respectively

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

**Ans:** The l strip() and r strip() methods remove whitespace from the left and right ends of a string, respectively.