**ASSIGNMENT – 6**

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

Ans=> To insert characters that are illegal in a string, use an escape character.

An escape character is a backslash \ followed by the character you want to insert.

Example - txt = "Hi!! I am \"Sandip\" Nandi."

print(txt)

Other Escape characters - \’ , \\ , \n , \r , \t , \b , \f , \ooo , \xhh

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

Ans=> \n – make new line.

\t – make new tab

\n 🡺 txt = "Hello\nWorld!"

print(txt) O/P 🡺 Hello

World

\t 🡺 txt = "Hello\tWorld!"

print(txt) O/P 🡺 Hello World

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

Ans=> Backslash 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?**

Ans=> The single quote in Howl’s is fine because you’ve used double quotes to mark the beginning and the 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]**

**‘Hello, world!’[0:5]**

**‘Hello, world!’[:5]**

**‘Hello, world’[3:]**

Ans=> The expressions evaluate to the following:

**‘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’.upper().isupper()**

**‘Hello’.upper().lower()**

Ans=> ‘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()**

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

Ans=> The expressions evaluate to the following:

['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']

'There-can-be-only-one.’

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

Ans=> **right-justifying –** It returns the right-justified string of a given minimal width.

Syntax - string.rjust(width[, fillchar])

**left-justifying –** It returns a left justified string of a given minimal width.

Syntax - string.ljust(width[, fillchar])

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

Ans=> strip() in built function we can use to remove whitespace characters from the start or end.