**ASSIGNMENT-6**

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

**Ans.** An escape character is a backlash \ followed by the character you want to insert. It is used to insert characters that are illegal in a string.

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

Ans. escape characters n and t stands for New Line and Tab.

* Newline(\n)

txt = “Hello\nShivani”

print(txt)

Output: Hello

Shivani

* Tab(\t) :

txt = “Hello\tShivani”

print(txt)

output:

Hello Shivani

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

Ans. txt= “This will insert one \\ (backlash).”

print(txt)

Output: This will insert one \ (backlash).

1. **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: txt = "Howl\'s Moving Castle"

print(txt)

Output: "Howl's Moving Castle"

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

**Ans.** If we want to print string of newlines we can write it by using print function by printing both lines in a different print functions.

Ex: print(“my name is”)

print(shivani”)

**6. What are the values of the given expressions?**

**'Hello, world!'[1]**

**'Hello, world!'[0:5]**

**'Hello, world!'[:5]**

**'Hello, world!'[3:]**

Ans. '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. 'There-can-only-one.'

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

Ans: The methods are rjust() , ljust() and center().

string = ‘cat’

width=5

* print(string.rjust(width))
* print(string.ljust(width))
* print(string.center(width))

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

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