**Assignment\_4**

Python Basic Assignment:

Ans:1)

[] is a square bracket of the list with contain some array data.

Ans:2)

Using the method append()

Ex: Spam.append(‘hello’)

Ans:3)

spam = ['a','b','c','d']

new = spam[int(int('3'\*2)/11)]

print(new)

o/p: d

Ans:4)

o/p: ‘d’

Ans:5)

o/p: ‘a’,’b’

Ans:6)

o/p: 1

Ans:7)

o/p: [3.14, 'cat', 11, 'cat', True, 99]

Ans:8)

o/p: [3.14, 11, 'cat', True, 99]

Ans:9)

If we want to join two list then we used concatenation with the help of + symbol

If we want to used replication then we used with the help of \* symbol

Ans:10)

Insert method is using without replacing any of the existing values.

And append is used to add an item to the end of the list.

Ans:11)

1)remove()

2)pop()

Ans:12)

The values that make up a list are called its elements. Lists are similar to strings, which are ordered collections of characters, except that the elements of a list can have any type and for any one list, the items can be of different types

Ans:13)

list is mutable, whereas a tuple is immutable.

Ans:14)

Num = (42)

Ans:15)

Tuples in list:

[(1,2),(2,3),(3,4)]

List in tuple:

([1,2,3,4,5,6])

Ans:16)

List = [1,2,34,54,46]

List is a variable and they contain list values.

Ans:17)

We use the copy() module of Python for shallow and deep copy operations.

A deepcopy() creates a new object and recursively adds the copies of nested objects present in the original elements.