**Python List**

1.Print the second item in the ‘grocery’ list and print it

list=["palak","tomato","carrot","beetroot"]

print(list[2])

**Output:** carrot

2.Change the value from “tea" to "coffee", in the ‘items’ list.

list=[“sugar”,”tea”,”milk”,”glass”]

list[1]=”coffee”

print(list)

**output:** sugar,coffee,milk,glass

3.Use the append method to add "orange" to the fruits list.

fruits=["apple","grapes","mango","kiwi"]

fruits.append("orange")

print(fruits)

**output:** apple,grpaes,mango,kiwi,orange

4.Use the insert method to add "lemon" as the second item in the fruits list.

fruits=["mango","grapes","apple","kiwi"]

fruits.insert(2,"lemon")

print(fruits)

**output:** mango,grapes,lemon,apple,kiwi

5.Use the remove method to remove "eggs" from the ‘grocery’ list.

grocery=["palak","brinjal","tomato","eggs","potato","carrot"]

grocery.remove("eggs")

print(grocery)

**output:** palak,brinjal,tomato,potato,carrot

6.Use negative indexing to print the last item in the list.

list=['a','b','c','d','e']

print(list[2]) **output:** c

print(list[-3]) c

print(list[-4:-2]) b,c

print(list[-2:]) d,e

print(list[:-3]) a,b

7.Use a range of indexes to print the third, fourth, and fifth item in the list.

Fruits=("apple","banana","cherry","orange","kiwi","watermelon","mang o")

print(fruits[2:5])

**output:** cherry,orange,kiwi

8.Use the correct syntax to print the number of items in the list.

grocery=["palak","brinjal","tomato","eggs","potato","carrot"]

print(len(grocery))

**output:** 6

9.Create two list, do the slicing, concatenating and repetition of the lists.

l1=['a','b','c','d','e']

l2=[1,2,3,4,5]

print(l1+l2)

print(l1\*2)

print(l2\*3)

print(l1[2:4])

print(l2[-3:])

**output:** ['a', 'b', 'c', 'd', 'e', 1, 2, 3, 4, 5]

['a', 'b', 'c', 'd', 'e', 'a', 'b', 'c', 'd', 'e']

[1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, 4, 5]

['c', 'd']

[3, 4, 5]

10. Check if “Rayan” is present in the name list.

names=["john","bunny","rayan","vicky","divya"]

if "rayan" in names:

print("yes 'rayan' us present in list names")

**output:** yes 'rayan' us present in list names