**Week -5:**

**21.Write a Python program that performs the following operations on a list.A)Add the element in the list b)** ) **Remove the element in the list c) reverse the element in the list.**

mylist=[]

ele=input("enter the element")

print(f"{ele} added to the list")

Mylist

mylist.remove(ele)

mylist

mylist=[10,20,30]

mylist

mylist.reverse()

mylist

**22.Write a Python program that performs the following operations on a Tuplea) Create a Tuple b) Print the index of the first element c) Remove the 3rd element in the Tuple**

mytuple=(10,20,40,60)

mytuple

print(f"index of the first ele ('{mytuple[0]}') ")

index of the first ele ('10')

mytuple=mytuple[:2]+mytuple[3:]

mytuple

23**. Write a Python program that performs the following operations on a Tuplea)Print the first element to fourth element in the Tuple. b)print the first element from the rightmost index**.

mytuple=(10,20,30,40,50,60,80)

mytuple

print("first to 4th element of tuple",mytuple[:4])

first to 4th element of tuple (10, 20, 30, 40)

print("first ele from the rightmost Index",mytuple[:-1])

**24. Write a Python program that performs the following operations on a Tuple a) reverse the element in the Tuple b) Add the element in the Tuple**

print("reverse of tuple",mytuple[::-1])

tuple1=(100,200,300)

new\_tuple=mytuple+tuple1

new\_tuple

25.Write a Python program that performs the following operations on a Dictionaries

a) Create a dict

b) Print the first element in the dict

c) Print the first element to fourth element in the dict.

d)print the first element from the rightmost index

my\_dict = {"a": 10, "b": 20, "c": 30, "d": 40, "e": 50}

keys\_list = list(my\_dict.items())[:1]

keys\_list

(or)

print(first\_key, ":", my\_dict[first\_key])

Note:first\_key = next(iter(my\_dict))

first\_key

first\_four\_items = list(my\_dict.items())[:4]

first\_four\_items

last\_item = list(my\_dict.items())[-1]

last\_item