**Practical No:-** 7

**Title:** Write Python program to perform operations on TUPLES.

**Roll No.:**15 **Batch-** A **Date of Performance:** 25/01/2024

**Exercise-**



>>> t1=(63,33,116,78,93)

>>> max(t1)

**116**

>>> min(t1)

**33**



>>> t2=(10,10,20,30,10)

>>> print("Total Occurances of 10 values:",t2.count(10))

**Total Occurances of 10 values: 3**



t=('zero','one','two','three','four','five','six','seven','eight','nine')

l=[]

num=int(input("Enter a number="))

while num>0:

r=t[num%10]

num=int(num/10)

l.append(r)

l.reverse()

print(l)

**Enter a number=983**

**['nine', 'eight', 'three']**



lst=[]

cnt=int(input("Enter how many Elements u want to insert:"))

for i in range(cnt):

num=input(f"Enter {i} item:")

lst.append(num)

tpl=tuple(lst)

print(tpl)

**Enter how many Elements u want to insert:3**

**Enter 0 item:2**

**Enter 1 item:9**

**Enter 2 item:3**

**('2', '9', '3')**

* **Operations of Tuple-**

1. **Creating a Tuple:**

>>> t=(8,7,1,2,3,9,4,5,6)

>>> t

(8, 7, 1, 2, 3, 9, 4, 5, 6)

1. **Accessing Values in Tuple:**

>>> t[4]

3

>>> t[2:6]

(1, 2, 3, 9)

1. **Updating Tuple:**

>>> t1=(12,34.22)

>>> t2=('abc','xyz')

>>> t3=t1+t2

>>> t3

(12, 34.22, 'abc', 'xyz')

1. **Delete Tuple:**

>>> del(t)

1. **Functions of Tuple**

>>> t

(8, 7, 1, 2, 3, 9, 4, 5, 6)

>>> len(t)

9

>>> min(t)

1

>>> max(t)

9

>>> sorted(t)

[1, 2, 3, 4, 5, 6, 7, 8, 9]

>>> sum(t)

45

>>> any(t)

True

>>> all(t)

True

>>> l=[2,3,4,5,2,3,4,5]

>>> t1=tuple(l)

>>> t1

(2, 3, 4, 5, 2, 3, 4, 5)

1. **Methods of Tuple**

>>> t=(1,2,3,4,1,6,1)

>>> t.count(1)

3

>>> t=(1,2,3,4,1,6,1)

>>> t.index(6)

5