**5 examples of tuple and set:**

***Tuple:***

#Immutable

#Allows Duplicate

#Allows Heterogenous Objects(Different)

**i/p:**

t=(1,2,3,3,3,3,4,5)

print(t.count(3))

**o/p:**

4

**i/p:**

t=(1,2,3,4,5)

print(min(t))

**o/p:**

1

**i/p:**

t=(1,2,3,4,5)

print(max(t))

**o/p:**

5

**i/p:**

t=(1,2,3,4,5)

print(t.index(4))

**o/p:**

1

**i/p:**

t=(1,2,3,4,5)

print(len(t))

**o/p:**

5

**i/p:**

a=input(Enter:)

print(type(a))

**o/p:**

<class ‘str’>

**i/p: #eval for any datatype**

a=eval(input())

print(type(a))

**o/p:**

1

<class ‘int’>

***Set:***

#Allows Heterogenous Objects

#mutable

#No index

#No duplicate values

**i/p:**

s={ }

print(s)

print(type(s))

**o/p:**

{ }

<class ‘dict’>

**i/p: #union changes order**

p1={100,200,True,”Python”}

p2=p1.union({300,400})

print(p2)

**o/p:**

{400,”python”,True,200,100,300}

**i/p: #intersection(same)**

p1={100,200,300}

p2={300,400}

print(p1.intersection(p2))

**o/p:**

{300}

**i/p: #symmetric difference(Not common)**

p1={100,200,300,400}

p2={300,400,500}

print(p1.symmetric\_difference(p2))

**o/p:**

{100,200,500}