

## Tupple

**Que.1** how tuples are different from the list [theory type question]

**Ans :** Tupple is a immutable and whereas lists are mutable

**Que.2** Write a Python program to create a tuple.

```
a = (25,63,89,56,78)
```

```
print(a)
```

```
(25, 63, 89, 56, 78)
```

**Que.3** Write a Python program to create a tuple with different data types

```
tuple = ("saurabh",12,15,12.3,"pratik")
```

```
print(tuple)
```

```
('saurabh', 12, 15, 12.3, 'pratik')
```

**Que.4** Write a Python program to create a tuple with numbers and print one item

```
tuple1 = (12,56,89,74,63,30)
```

```
print(tuple1[2])
```

```
89
```

**Que.5** Write a Python program to add an item in a tuple

```
tuple2 = ("Saurabh","Pratik","Rohit",78,56,85,89)
```

```
print(tuple2)
```

```
('Saurabh', 'Pratik', 'Rohit', 78, 56, 85, 89)
```

```
tuple2 = tuple2 + (20,25,85)
```

```
print(tuple2)
```

```
('Saurabh', 'Pratik', 'Rohit', 78, 56, 85, 89, 20, 25, 85)
```

**Que.6 Write a Python program to get the 4th element and 4th element from the last of a tuple**

```
tuple3 = ("Saurabh", "Pratik", "Rohit", 78, 56, 85, 89)
print(tuple3[-4])
```

78

**Que.7 Write a Python program to check whether an element exists within a tuple**

```
my_tuple = ("s", "a", "u", "r", "k", "b", "h")
```

```
print(my_tuple)
```

```
('s', 'a', 'u', 'r', 'k', 'b', 'h')
```

```
print("a" in my_tuple)
```

True

```
print("m" in my_tuple)
```

False

**Que.8 Write a Python program to remove an item from a tuple**

```
my_tuple1 = (89, 87, 63, 45, 20, 96, 35)
```

```
print(my_tuple1)
```

```
(89, 87, 63, 45, 20, 96, 35)
```

```
list = list(my_tuple1)
```

```
print(list)
```

```
[89, 87, 63, 45, 20, 96, 35]
```

```
list.remove(45)
```

```
print(list)
```

```
[89, 87, 63, 20, 96, 35]
```

```
my_tuple1 = tuple(list)
```

```
print(my_tuple1)
```

```
(89, 87, 63, 20, 96, 35)
```

**Que.9 Write a Python program to slice a tuple**

```
my_tuple2 = (85,89,78,63,52,96,45)
```

```
print(my_tuple2[2:])
```

```
(78, 63, 52, 96, 45)
```

```
print(my_tuple2[2:6])
```

```
(78, 63, 52, 96)
```

**Que.10 Write a Python program to find the length of a tuple**

```
my_tuple2 = (85,89,78,63,52,96,45)
```

```
print(len(my_tuple2))
```

```
7
```

**Que.11 Write a Python program to print a tuple with string formatting. Sample tuple : (100, 200, 300)**

```
t = (400,500,600)
```

```
print("This is a tuple {}".format(t))
```

```
This is a tuple (400, 500, 600)
```