

## TUPLES

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**Date - 10/01/2023**

### **#(a) Create a tuple**

```
t = ('i','love','python')  
print("The Tuple is : \n {}".format(t))
```

### **OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\create.py"
```

The Tuple is :

('i', 'love', 'python')

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### **#(b) Concatenate two tuples.**

```
tuple1 = (1,2,3,4)  
tuple2 = (5,6,7,8)  
tuple3 = tuple1+tuple2  
print("The first tuple is : \n {} \n\nThe second tuple is : \n {} \n\nThe concatenate  
tuple is : \n {}".format(tuple1,tuple2,tuple3))
```

### **OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\concatenate.py"
```

The first tuple is :

(1, 2, 3, 4)

The second tuple is :

(5, 6, 7, 8)

The concatenate tuple is :

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

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**#(c) Find the index of a particular item**

```
t = (4,8,6,7,5,7)
```

```
print("The tuple is : {}".format(t))
```

```
n=int(input("Enter an item from the tuple :"))
```

```
print("The index of particular item, {} is :".format(n),end=' ')
```

```
print(t.index(n))
```

**OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\index.py"
```

```
The tuple is : (4, 8, 6, 7, 5, 7)
```

```
Enter an item from the tuple :5
```

```
The index of particular item, 5 is: 4
```

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**#(d) Find the frequency of a particular item**

```
t = (4,8,6,7,5,7,7)
```

```
print ("The tuple is: {}".format(t))
```

```
n=int (input ("Enter an item from the tuple:"))
```

```
print("The frequency of particular item, {} is :".format(n),end=' ')
```

```
print(t.count(n))
```

**OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\count.py"
```

```
The tuple is: (4, 8, 6, 7, 5, 7, 7)
```

```
Enter an item from the tuple :7
```

```
The frequency of particular item, 7 is: 3
```

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**#(e) Find the length of the tuple**

```
t = (4,8,6,7,5,7,7)
print ("The tuple is : {}".format(t))
print("The length of the tuple is:", end=' ')
print(len(t))
```

**OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\len.py"
The tuple is: (4, 8, 6, 7, 5, 7, 7)
The length of the tuple is: 7
```

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**#(f) Get maximum and minimum item from the tuple**

```
t = (4,8,6,7,5,7,7)
print ("The tuple is: {}".format(t))
print("The maximum item is : ",end=' ')
print(max(t))
print("The minimum item is : ",end=' ')
print(min(t))
```

**OUTPUT:**

```
PS D:\Python> python -u "d:\Python\Assignment Tuple\max-min.py"
The tuple is : (4, 8, 6, 7, 5, 7, 7)
The maximum item is : 8
The minimum item is: 4
```