

List and Tuple

Q1)

```
In [1]: my_list=[2,4,9,16,25,36,49]
        my_list[4:]
```

```
Out[1]: [25, 36, 49]
```

Q2)

```
In [2]: fav_cricketer=["sachin","sehwag","yuvraj"]
        fav_cricketer.append("Dhoni")
        print(fav_cricketer)
```

```
['sachin', 'sehwag', 'yuvraj', 'Dhoni']
```

Q3)

```
In [3]: my_list=["a","e","i","o","u"]
        print(len(my_list))
```

```
5
```

Q4)

```
In [4]: B=[2,4,6]
        b=[8,10,12,14]
        B.extend(b)
        print(B)
```

```
[2, 4, 6, 8, 10, 12, 14]
```

Q5)

```
In [5]: a=[1,2,3,4]
        a.append(8)
        if 8 in a:
            print("list is mutable")
        else:
            print("list is immutable")
```

```
list is mutable
```

Q6)

```
In [6]: b=[2,4,6,8,[3,5,7,9]]
        len(b[4])
```

```
Out[6]: 4
```

Q7)

```
In [7]: thisistuple = (1,2,3,4)
        print(len(thisistuple))
        type(thisistuple)
```

```
4
```

```
Out[7]: tuple
```

Q8)

```
In [8]: my_tuple=(2,7,8,10,13)
        my_tuple[1]
```

Out[8]: 7

Q9)

```
In [9]: thisistuple=("apple","bannana","cerry")
        print(len(thisistuple))
```

3

Q10)

```
In [10]: fruits=("apple","bannana","cerry","orange","kiwi","melon","mango")
         fruits[2:5]
```

Out[10]: ('cerry', 'orange', 'kiwi')

Q11)

```
In [13]: fruits=("apple","bannana","cerry","orange","kiwi","melon","mango")
         fruits_list =list(fruits)
         fruits_list[0]="grapes"
         fruits_list=tuple(fruits_list)
         print(fruits_list)
```

('grapes', 'bannana', 'cerry', 'orange', 'kiwi', 'melon', 'mango')

Q12)

```
In [19]: a_tuple=(1,2,3,4,5)
         del a_tuple
```