

PYTHON LIST ASSIGNMENT

Q1. Create an empty list.

```
In [3]: l = []  
        type(l)
```

```
Out[3]: list
```

Q2. Create a list and add an element to the end of this list.

```
In [13]: l1 = [1,2,3,67,984,5,6]
```

```
In [14]: l1.append(34)
```

```
In [15]: l1
```

```
Out[15]: [1, 2, 3, 67, 984, 5, 6, 34]
```

Q3. For the above created list print the last element.

```
In [16]: l1[-1]
```

```
Out[16]: 34
```

Q4. Reverse the above created list.

```
In [17]: l1[::-1]
```

```
Out[17]: [34, 6, 5, 984, 67, 3, 2, 1]
```

Q5. Sort the above created list.

```
In [18]: l1.sort(reverse=True)  
        l1
```

```
Out[18]: [984, 67, 34, 6, 5, 3, 2, 1]
```

Q6. Create a list of your top three favorite movies, then print the second movie title.

```
In [21]: l2 = ['Yeh Jawani Hai Deewani', 'Zindagi na Milegi Dobara', '3 idiots']
```

```
In [22]: l2[1]
```

```
Out[22]: 'Zindagi na Milegi Dobara'
```

Q7. Create a list of your favorite animals, then add a new animal to the list and print the updated list.

```
In [26]: 13 = ['Dog', 'Elephant', 'Cat', 'Horse', 'Cow', 'Tiger']
```

```
In [27]: 13.append('Lion')  
13
```

```
Out[27]: ['Dog', 'Elephant', 'Cat', 'Horse', 'Cow', 'Tiger', 'Lion']
```

Q8. Create a list of your favorite cities, then use the `index()` method to find the position of a specific city on the list and print it.

```
In [28]: 14 = ['Lucknow', 'Delhi', 'Noida', 'Banglore', 'Pune', 'Hydrabad']
```

```
In [29]: 14[4]
```

```
Out[29]: 'Pune'
```