

**Ch-4: Working with Lists and Dictionaries**

1. Why lists are considered to be mutable?

2. Lists allow one way indexing or two way indexing?

3. What will be the output of following code:

```
>>> list1 = [2,4,6,8,10,12]
```

```
>>> list1[1+2]
```

4. What will be the output of following code:

```
>>> list1 = ['Red','Green','Blue','Cyan','Magenta']
```

```
>>> 'Cyan' not in list1
```

5. What will be the output of following code:

```
>>> list1=['Red','Green','Blue','Cyan', 'Magenta','Yellow','Black']
```

```
>>> list1[::-1]
```

6. What will be the output of following code:

```
>>> list1 = [101,120,430,740]
```

```
>>> list1.append([850,960])
```

```
>>> list1
```

7. What will be the output of following code:

```
>>> list1 = [ 'Tiger' , 'Zebra' , 'Lion' , 'Cat' , 'Elephant' , 'Dog']
```

```
>>> list1.reverse()
```

```
>>> list1
```

8. What will be the output of following code:

```
>>> dict3 = {'Sneha':95,'Shikha':89,'Deeksha':92, 'Damini':85}
```

```
>>> dict3['Deeksha']
```

```
>>> dict3['Saira']
```

9. What will be the output of following code:

```
>>> dict3 = {'Sneha':95,'Shikha':89,'Deeksha':92, 'Damini':85}
```

```
>>> dict1.keys()
```

10. Write the use of get( ) function of dictionary with example.

11. Create a dictionary 'EVEN' of even numbers between 1 and 10, where the key is the decimal number and the value is the corresponding number in words.

(a) Find the length of the dictionary 'EVEN'.

(b) Check if 7 is present or not in dictionary 'EVEN'.