

Ques. Access List Items?

```
thislist = ["apple", "banana", "cherry", "orange", "kiwi", "melon", "mango"]
print(thislist[1])           #Output:- banana
print(thislist[-1])          #Output:- mango
print(thislist[:])            #Output:- ["apple", "banana", "cherry", "orange",
"kiwi", "melon", "mango"]
print(thislist[2:5])          #Output:- ['cherry', 'orange', 'kiwi']
print(thislist[:4])           #Output:- ['apple', 'banana', 'cherry', 'orange']
print(thislist[2:])           #Output:- ['cherry', 'orange', 'kiwi', 'melon',
'mango']
print(thislist[-4:-1])        #Output:- ['orange', 'kiwi', 'melon']
print(thislist[:-1])          #Output:- ['apple', 'banana', 'cherry', 'orange',
'kiwi', 'melon']
```

- Get the Items at Specified Intervals

```
list = [9,3,6,4,7,3,1,4]
print(list[::2])              # Output:- [9, 6, 7, 1]
print(list[::-2])             # Output:- [4, 3, 4, 3]
print(list[::-1])             # Output:- [4, 1, 3, 7, 4, 6, 3, 9] #reverse the List using
slice
```

```
list = [1,2,3,4,5,6,7,8,9]
print(list[4::])              # output: - [5, 6, 7, 8, 9]
print(list[:4:])              # output: - [1, 2, 3, 4]
```

- Accessing elements from a multi-dimensional list

```
List = [['my', 'name'], ['is'], ['mohit', 'saxena']]
print(List[0][1])
print(List[1][0])
```

Output:-

name

is