

# Slicing

In [1]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[1:5])
```

*# no. of elements -> 5-1=4*

```
[22, 34, 55, 6]
```

## Negative slicing

In [2]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[-2:5])
```

```
[]
```

In [3]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[-2:5])
```

```
[]
```

In [4]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[-2:])
```

```
[97, 3]
```

In [5]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[-5:-2])
```

```
[55, 6, 8]
```

In [6]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[:-2])
print(lst[0:6])
```

```
[1, 22, 34, 55, 6, 8]
```

```
[1, 22, 34, 55, 6, 8]
```

In [7]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[::2])
```

```
[1, 34, 6, 97]
```

In [8]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[::-2])
```

```
[3, 8, 55, 22]
```

In [9]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[::-1])           # List Reversing Advance Technique
```

```
[3, 97, 8, 6, 55, 34, 22, 1]
```

In [10]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[:-1])           # remember that slicing printing starts with right to left.
```

```
[1, 22, 34, 55, 6, 8, 97]
```

In [13]:

```
lst = [1,22,34,55,6,8,97,3]
print(lst[::-3])
```

```
[3, 6, 22]
```

In [14]:

```
# Adding Element to list using negative index:-
```

```
lst = [1,25,34,55,6,8,97,3]
lst.insert(-5,10)          # -5 ki position pr 10 ko insert kr do.
```

In [15]:

```
print(lst)
```

```
[1, 25, 34, 10, 55, 6, 8, 97, 3]
```

In [16]:

```
# deleting any index from a list:-
lst = [1,25,34,55,6,8,97,3]
del lst[-2]
```

In [17]:

```
lst
```

Out[17]:

```
[1, 25, 34, 55, 6, 8, 3]
```

In [ ]: