```
list1 = ['physics', 'chemistry', 1997, 2000];
list2 = [1, 2, 3, 4, 5, 6, 7 ];
print ("list1[0]: ", list1[2])
print ("list2[1:5]: ", list2[1:3])
```

```
    list1[0]:  1997
    list2[1:5]:  [2, 3]
```

```
list = ['physics', 'chemistry', 1997, 2000];
print ("Value available at index 2 : ")
print (list[2])
list[2] = 999999;
print ("New value available at index 2 : ")
print (list[2])
```

```
    Value available at index 2 :
    1997
    New value available at index 2 :
    999999
```

```
list1 = ['physics', 'chemistry', 1997, 2000];
print (list1)
del (list1[2]);
print ("After deleting value at index 2 :")
print (list1)
```

```
    ['physics', 'chemistry', 1997, 2000]
    After deleting value at index 2 :
    ['physics', 'chemistry', 2000]
```

```
list1, list2 = [123, 'xyz', 'zara'], [456, 'abc']
print ("First list length : ", len(list1))
print ("Second list length : ", len(list2))
```

```
    First list length :  3
    Second list length :  2
```

```
aList = [123, 'xyz', 'zara', 'abc'];
aList.append( 2009 );
print ("Updated List : ", aList)
```

```
    Updated List :  [123, 'xyz', 'zara', 'abc', 2009]
```

```
aList = [123, 'xyz', 'xyz', 'abc', 123];
print ("Count for xyz : ", aList.count('xyz'))
print ("Count for m : ", aList.count('zara'))
```

```
    Count for xyz :  2
    Count for m :  0
```

```
aList = [123, 'xyz', 'zara', 'abc', 123];
```

```python
bList = [2009, 'kru'];
aList.extend(bList)
print ("Extended List : ", aList)
```

```
    Extended List :  [123, 'xyz', 'zara', 'abc', 123, 2009, 'kru']
```

```python
aList=[1,'x','k','a','b']
print("index for x ",aList.index('x'))
```

```
    index for x  1
```

```python
aList=[1,4,5,6,'kru']
aList.insert(3,78)
print("Final list : ",aList)
```

```
    Final list :  [1, 4, 5, 78, 6, 'kru']
```

```python
aList=[1,2,'kru','n']
print(aList)
print("List after popping :",aList.pop())
print(aList)
print("list after popping element from mentioned index : ",aList.pop(2))
print(aList)
aList.insert(2,'kk')
print(aList)
```

```
    [1, 2, 'kru', 'n']
    List after popping : n
    [1, 2, 'kru']
    list after popping element from mentioned index :  kru
    [1, 2]
    [1, 2, 'kk']
```

```python
aList=[1,2,'kru','n']
aList.remove(1)
print(aList)
aList.remove('n')
print(aList)
```

```
    [2, 'kru', 'n']
    [2, 'kru']
```

```python
aList=[1,2,'kru','n']
aList.reverse()
print(aList)
```

```
    ['n', 'kru', 2, 1]
```

```python
aList=['xyz','hi',' kru','n']
aList.sort()
print(aList)
```

```
    [' kru', 'hi', 'n', 'xyz']
```