

```
#student={"Name":"Ro","Age":20,"Sec":"2-1","Year":2}
#print ("Student Name:",student["Name"])
#print (student.get("course"))
```

```
#d1=dict([('a',100),('b',200)])
#d2=dict((('a','one'),('b','two'))))
#print('d1:',d1)
#print(type(d1))
#print('d2:',d2)
#print(type(d2))
```

```
#d1={'a':100,'b':200,'c':300,'d':400}
#print(d1)
#d2={'e':1,'b':2,'f':3,'g':4,'h':5}
#print(d2)
#d3={**d1,**d2}
#print(d3)
```

```
#num={1:"one",2:"two",3:"three",4:"four"}
#print(num)
#obj1=num.items()
#obj2=num.keys()
#obj3=num.values()
#print(obj1,type(obj1))
#print(obj2,type(obj2))
#print(obj3,type(obj3))
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3])
#indexing
#print (a[1])
#slicing
#print (a[1:])
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3])
#a[1] = 20
#print (a[1])
#print(a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3])
#assignment
#a[1]='A'
#print(a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3])
#a.append(10)
#print (a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3])
#a.insert(1,20)
#print (a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 3, 4, 5])
#b = arr.array('i', [6,7,8,9,10])
#a.extend(b)
#print (a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 1, 4, 2])
#a.remove(2)
#print (a)
```

```
#import array as arr
#a = arr.array('i', [1, 2, 1, 4, 2])
#a.pop(2)
#print (a)
```

```
#import array as arr
#a = arr.array('d', [1, 2, 3])
#for x in a:
#    print (x)
```

```
#import array as arr
#a = arr.array('d', [1, 2, 3])
```

```

#l = len(a)
#idx =0
#while idx<l:
#    print (a[idx])
#    idx+=1

#import array as arr
#a = arr.array('d', [1, 2, 3])
#l = len(a)
#for x in range(l):
#    print (a[x])

#import array as arr, copy
#a = arr.array('i', [1, 2, 3, 4, 5])
#import copy
#b = copy.deepcopy(a)
#print (id(a), id(b))
#a[2]=10
#print (a,b)

#import array as arr
#a = arr.array('i', [10,5,15,4,6,20,9])
#b = arr.array('i')
#for i in range(len(a)-1, -1, -1):
#    b.append(a[i])
#print (a, b)

#import array as arr
#a = arr.array('i', [10,5,15,4,6,20,9])
#b = a.tolist()
#b.reverse()
#a = arr.array('i')
#a.fromlist(b)
#print (a)

#import array as arr
#a = arr.array('i', [10,5,15,4,6,20,9])
#for i in range(0, len(a)):
#    for j in range(i+1, len(a)):
#        if(a[i] > a[j]):

```

```
#         temp = a[i];  
#         a[i] = a[j];  
#         a[j] = temp;  
# print (a)
```