

# Arrays

```
#Initialize
from array import array
arr = array('i',[1,2,3,4,5])
print(arr)
print(type(arr))
```

```
array('i', [1, 2, 3, 4, 5])
<class 'array.array'>
```

```
#Initialize
from array import array
arr1 = array('i',[6,7,8,9])
print(arr1)
print(type(arr1))
```

```
array('i', [6, 7, 8, 9])
<class 'array.array'>
```

```
arr[3] #access
```

```
4
```

```
arr[3]=8 #modify
print(arr)
```

```
array('i', [1, 2, 3, 8, 5])
```

```
del(arr[3])
```

```
arr
```

```
array('i', [1, 2, 3, 5])
```

```
for i in arr:
    print(i)
```

```
1
```

```
2
```

```
3
```

```
5
```

```
for i in arr:
    if i>3:
        print(i)
```

```
5
```

```
arr = sorted(arr)
arr
```

```
[1, 2, 3, 5]
for i in arr:
    if i==1:
        print("true")
    else:
        print("false")

true
false

def search (i,arr):
    if i in arr:
        return True
    else:
        return False

a=array('i',[11,12,13,14,15])
search(12,a)

True

def mult(n,arr):
    for i in arr:
        print(i*n)

mult(6,arr)

6
12
18
30
```