Arrays

```python
#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'>
```

```python
#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'>
```

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

```
4
```

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

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

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

```python
arr
```

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

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

```
1
2
3
5
```

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

```
5
```

```python
arr.sort()
```

```
---------------------------------------------------------------------------
-----
AttributeError                              Traceback (most recent call
last)
Cell In[16], line 1
----> 1 arr.sort()

AttributeError: 'array.array' object has no attribute 'sort'
```

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

```
[1, 2, 3, 5]
```

```python
for i in arr:
    if i==1:
        print("true")
else:
    print("false")
```

```
true
false
```

```python
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
```

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

mult(6,arr)
```

```
6
12
18
30
```