```
In [1]:
import numpy as np
In [4]:
a=np.zeros(3,dtype=int)
print(a)
[0 0 0]
In [5]:
a=np.ones(3,dtype=int)
print(a)
[1 1 1]
In [12]:
a=np.array([1,2,3,4,5])
for i in a:
    print(i,end=" ")
1 2 3 4 5
In [35]:
def array(a,x):
    a=np.array([1,2,3,4,2,3,4,2,2])
    count=0
    for i in a:
        if i==x:
            count=count+1
    print(count)
array(a,2)
4
In [36]:
import collections
x=np.array([1,2,3,4,5,1,2,1,9,1])
print("Original array:")
counter=collections.Counter(x)
print(counter)
Original array:
Counter({1: 4, 2: 2, 3: 1, 4: 1, 5: 1, 9: 1})
In [40]:
a=np.array([1,2,3,4,2,3,4,2,2])
```

2

print(count)

count=np.count_nonzero(a==4)

```
In [45]:
```

```
a=np.array([1,2,3,4,2,3,4,2,2])
count=0
for i in a:
    if i<4:
        count=count+1
print(count)</pre>
```

7

In [52]:

```
def array(a,x):
    a=np.array([1,2,3,4])
    for i in a:
        if i==x:
            print("Yes")
array(a,2)
```

Yes

In [53]:

```
a=np.array([1,2,3,4,2,3,4,2,2])
5 in a
```

Out[53]:

False

In [54]:

```
max(a)
```

Out[54]:

4

In [55]:

```
min(a)
```

Out[55]:

1

```
In [72]:
```

```
def max(a):
    max=a[0]
    a=np.array([1,2,3,4])
    for i in range(len(a)):
        if a[i]>max:
            max=a[i]
    print("Maximum value:",max)
def min(a):
    min=a[0]
    a=np.array([1,2,3,4])
    for i in range(len(a)):
        if a[i]<min:</pre>
            min=a[i]
    print("Minimum value:",min)
max(a)
min(a)
```

Maximum value: 4 Minimum value: 1

In [12]:

```
import numpy as np
a=[]
n=int(input("Enter size:"))
for i in range(n):
    a.append(int(input("Enter value:")))
a=np.array(a)
print(a)
```

Enter size:3 Enter value:1 Enter value:2 Enter value:3 [1 2 3]

In []:

In []: