In [10]:
```python
import numpy as np
a=np.zeros((3,3),dtype=int)
print(a)
```

```
[[0 0 0]
 [0 0 0]
 [0 0 0]]
```

In [13]:
```python
b=np.ones(4,dtype=int)
print(b)
```

```
[1 1 1 1]
```

In [25]:
```python
c=np.array([1,2,3,4,5])
d=len(c)
for i in range (d):
    print(c[i])
```

```
1
2
3
4
5
```

In [17]:
```python
e=np.zeros(3)
s=int(input("size"))
for i in range (s):
    f=input("enter value")
    e[i]=f
print(e)
```

```
size3
enter value1
enter value2
enter value3
[1. 2. 3.]
```

In [19]:
```python
import collections
a=np.array([1,5,7,3,3,7,4])
#for i in range(Len(a)):
s=collections.Counter(a)
print(s)
```

```
Counter({7: 2, 3: 2, 1: 1, 5: 1, 4: 1})
```

In [20]:
```python
a=np.array([1,5,7,3,3,7,4])
print(np.count_nonzero(a==3))
```

```
2
```

In [32]:
```python
a=np.array([1,5,7,3,3,7,4,3,3])
print(np.count_nonzero(a<4))
```

```
5
```

In [22]:
```python
a=np.array([1,5,7,3,3,7,4])
print(1 in a)
```

True

In [29]:
```python
c=np.array([1,2,3,4,5])
print(c.max())
c.min()
```

5
1

Out[29]:

In [31]:
```python
import collections
a=np.array([1,5,7,3,3,7,4,3,3])
#for i in range(len(a)):
s=collections.Counter(a<4)
print(s)
```

Counter({True: 5, False: 4})

In [ ]: