In [1]:

```python
import numpy as np
a = np.zeros(3, dtype = int)
print(a)
```

[0 0 0]

In [3]:

```python
import numpy as np
a = np.ones((5,3), dtype = int)
print(a)
```

[[1 1 1]
 [1 1 1]
 [1 1 1]
 [1 1 1]
 [1 1 1]]

In [5]:

```python
a=np.array([1,2,3])
for i in a:
    print(i)
```

1
2
3

In [8]:

```python
array=[]
a=int(input("enter the size"))
for i in range(a):
    array.append(input("enter the value"))
print(array)
```

enter the size3
enter the value7
enter the value5
enter the value14
['7', '5', '14']

In [10]:

```python
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 [11]:

```python
a= np.array([1,2,3,4,5,1,2,1,9,1])
print("numpy array:")
print(a)
c=np.count_nonzero(a==1)
print(c)
```

```
numpy array:
[1 2 3 4 5 1 2 1 9 1]
4
```

In [12]:

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

```
True
```

In [13]:

```python
a=np.array([1,2,3,4,5])
print(min(a))
print(max(a))
```

```
1
5
```

In [ ]: