

In [1]:

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

[0 0 0]

In [3]:

```
import numpy as np
a=np.ones(4,dtype=int)
print(a)
```

[1 1 1 1]

In [6]:

```
a=np.array([1,2,70,30,28])
for i in a:
    print(i)
```

1
2
70
30
28

In [12]:

```
a=1
b=2
c=3
d=np.array([a,b,c])
print(d)
```

[1 2 3]

In [18]:

```
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 [21]:

```
import collections
x=np.array([1,2,3,4,5,1,2,1,9,1])
print("original array")
counter=np.count_nonzero(x==1)
print(counter)
```

original array
4

In [38]:

```
import collections
x=np.array([1,2,1,3,4,4])
print("original array")
counter=np.count_nonzero(x<4)
print(counter)
```

original array
4

In [31]:

```
x=np.array([1,2,3,4,5,1,2,1,9,1])
y=4
z=0
y in x
```

Out[31]:

True

In [32]:

```
z in x
```

Out[32]:

False

In [34]:

```
x=np.array([1,2,3,4,5,1,2,1,9,1])
y=x.min()
z=x.max()
print(y,z)
```

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In [*]:

```
x=input(np.array([]))
print("original array")
counter=np.count_nonzero(x==2)
print(counter)
```

In [*]:

In []:

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