

In [16]:

```
import numpy as np
```

In [17]:

```
a=np.zeros(4,dtype=int)
print(a)
```

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

In [18]:

```
np.count_nonzero(a==0)
```

Out[18]:

```
4
```

In [19]:

```
c=np.ones(4,dtype=int)
c
```

Out[19]:

```
array([1, 1, 1, 1])
```

In [20]:

```
import collections
print("original array")
counter = collections.Counter(a)
print(counter)
```

```
original array
<module 'collections' from 'C:\\ProgramData\\Anaconda3\\lib\\collections
\\__init__.py'>
```

In [21]:

```
p=int(input())
q=np.zeros(p,dtype=int)
for j in range(len(q):
    q[j]=int(input())
print(q)
```

File "C:\\Users\\TEMPMI~1.004\\AppData\\Local\\Temp\\ipykernel_5484\\104249331
6.py", line 3

```
    for j in range(len(q):
        ^
```

SyntaxError: invalid syntax

In []: