In [2]:

```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(3,dtype=int)
print(a)
```

```
[1 1 1]
```

In [ ]:

In [10]:

```python
import numpy as np
a=np.array([[1,2,3],[4,5,6]])
for y in a:
    print(y)
```

```
[1 2 3]
[4 5 6]
```

In [14]:

```python
import numpy as np
n=3
a=np.array()
for a in n:
    print(a)
```

```
---------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
C:\Users\TEMP~1.MIT\AppData\Local\Temp/ipykernel_2852/3066189011.py in <module>
      1 import numpy as np
      2 n=3
----> 3 a=np.array()
      4 for a in n:
      5     print(a)

TypeError: array() missing required argument 'object' (pos 1)
```

In [18]:

```python
import numpy as np
from numpy import *
arr=([])
n=int(input("number of values to be inserted "))
for i in range (n):
    v=input("elements")
    arr=append(arr,v)
print(arr)
```

```
number of values to be inserted 3
elements234
elements456
elements789
['234' '456' '789']
```

In [23]:

```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 [24]:

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

2

In [31]:

```python
import collections
x = np.array([1,2,3,4,5,1,2,1,9,1])
z=np.count_nonzero(x<4)
print(z)
```

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In [55]:

```python
import collections
x = np.array([1,2,3,4,5,1,2,1,9,1])



for i in x:
    print(i in x)
```

```
True
True
True
True
True
True
True
True
True
True
```

In [53]:

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

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In [46]:

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

1

In [ ]:

In [ ]: