In [4]:

```
a=int(input("enter values:"))
for i in range(1,a+1):
    b=int(input("enter {0} value:".format(i))  )
```

```
enter values:3
enter 1 value:2
enter 2 value:5
enter 3 value:5
```

In [5]:

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

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

In [6]:

```
a=np.array([10,20,67,47,54])
for i in a:
    print(i)
```

```
10
20
67
47
54
```

In [9]:

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

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

In [90]:

```
import collections
a=np.array([1,2,3,1,4,5,6,6,1,3,2])
print(np.count_nonzero(a==2))
```

```
2
```

In [17]:

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

```
Original array: [1 2 3 4 5 1 2 1 9 1]
Counter({1: 4, 2: 2, 3: 1, 4: 1, 5: 1, 9: 1})
```

In [50]:

```
arr = np.array([2, 3, 4, 5, 3, 3, 5, 4, 7, 8, 3])
print('Numpy Array:',arr)
c = 0
element=int(input("enter an element::"))
for j in arr:
    if j == element:
        c += 1
print("element occurred", c, "times")
```

```
Numpy Array: [2 3 4 5 3 3 5 4 7 8 3]
enter an element::5
element occurred 2 times
```

In [91]:

```
arr = np.array([2, 3, 4, 5, 3, 3, 5, 4, 7, 8, 3])
b=int(input("enter value:"))
print("The occurance of value %0.f  is:"%(b),np.count_nonzero(arr==b))
```

```
enter value:7
The occurance of value 7  is: 1
```

In [84]:

```
arr=np.array([2,1, 3, 4, 5, 3, 3, 5, 4, 7, 8, 3])
print("The elents that are less than 4:",np.count_nonzero(arr<4))
```

```
The elents that are less than 4: 6
```

In [57]:

```
arr = np.array([2, 3, 4, 5, 3, 3, 5, 4, 7, 8, 3])
y=int(input("enter element:"))
if y in arr:
    print("yes")
else:
    print("no")
```

```
enter element:10
no
```

In [60]:

```
arr = np.array([1,2, 3, 4, 5, 3, 3, 5, 4, 7, 8, 3])
print("the min element:",min(arr))
print("The max element:",max(arr))
```

```
the min element: 1
The max element: 8
```

In [*]:

```
a=int(input("enter size:"))
for i in range(1,a+1):
    b=int(input("Enter values:"))
    d=np.array([b])
print(d)
```

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In [*]:

```
a=int(input("enter size:"))
for i in range(1,a+1):
    b=int(input("Enter values:"))
    d=np.array([b])
print(d)
```

In [ ]:

```

```