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In [1]:
import numpy as np
a = np.zeros(3, dtype = int)
print(a)
[0 0 0]
In [16]:
a=np.zeros((3,3),dtype=int)
print(a)
[[0 0 0]
 [0 0 0]
[0 0 0]]
In [20]:
a=np.ones((2,3),dtype=int)
print(a)
[[1 1 1]
 [1 1 1]]
In [4]:
x = np.array([1,2,3,4,5,1,2,1,9,1])
for i in x:
    print(i,end=" ")
1 2 3 4 5 1 2 1 9 1
In [5]:
s=int(input("Enter size: "))
a=np.zeros(s,dtype=int)
for i in range(s):
   a[i]=int(input("Enter value: "))
print(a)
Enter size: 3
Enter value: 1
Enter value: 2
Enter value: 3
[1 2 3]
In [6]:
x = np.array([1,2,3,4,5,1,2,1,9,1])
dict1={}
for i in x:
    dict1[i]=0
for i in x:
    if i in dict1:
       dict1[i]+=1
    else:
       dict1[i]=1
for i,j in dict1.items():
    print("{}: {}".format(i,j))
1 : 4
2 : 2
3:1
4 : 1
5:1
9:1
In [7]:
import collections
x = np.array([1,2,3,4,5,1,2,1,9,1])
print("Original array:",end=" ")
print(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 [8]:
print(np.count_nonzero(x == 1))
4
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In [9]:
n=int(input())
print(np.count_nonzero(x==n))
1
4
In [21]:
print(np.count_nonzero(x<4))</pre>
In [12]:
a=np.array([1,2,6,9,10,17,30,28,35])
print(1 in a)
print(2 in a)
print(3 in a)
print(5 in a)
True
True
False
False
In [15]:
a=np.array([234,3456,7854,121,543,7898,4353,2114,4236,1162,1323,4651])
max1=np.max(a)
min1=np.min(a)
print(max1)
print(min1)
7898
121
In [ ]:
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