In [7]:

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

In [8]:

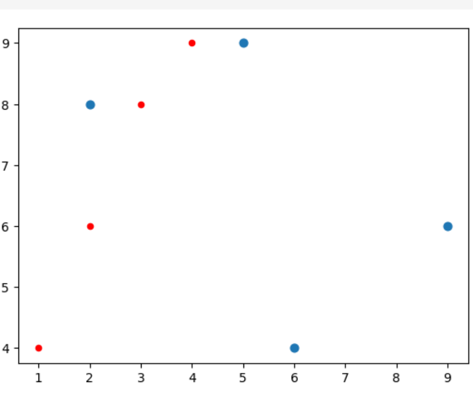
```
x=np.array([1,2,3,4])
y=np.array([4,6,8,9])
```

In [9]:

```
x1=np.array([6,9,2,5])
y1=np.array([4,6,8,9])
```

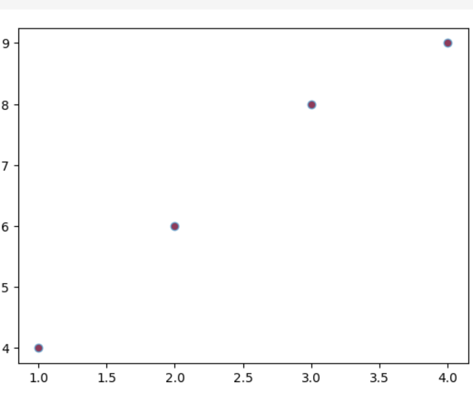
In [10]:

```
plt.scatter(x,y,color='r',s=20)
plt.scatter(x1,y1,s=40)
plt.show()
```



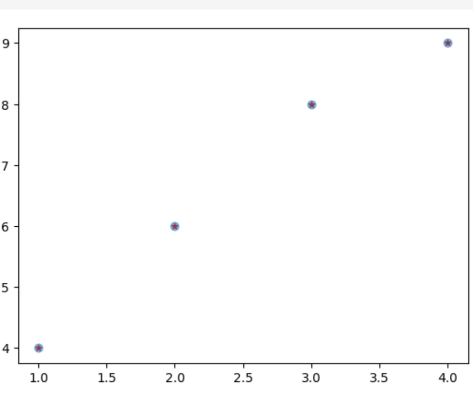
In [11]:

```
plt.scatter(x,y,color='r',s=20)
plt.scatter(x,y,s=40,alpha=0.5)
plt.show()
```



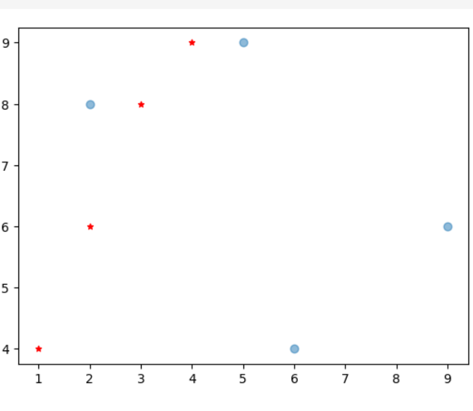
In [12]:

```
plt.scatter(x,y,color='r',s=20,
plt.scatter(x,y,s=40,alpha=0.5)
plt.show()
```



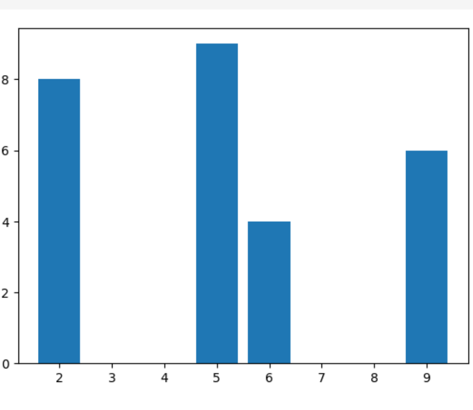
In [13]:

```
plt.scatter(x,y,color='r',s=20,
plt.scatter(x1,y1,s=40,alpha=0.
plt.show()
```



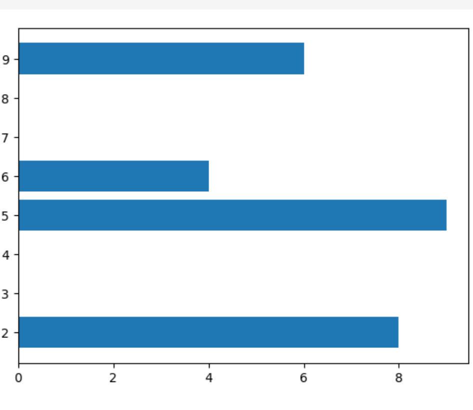
In [14]:

```
plt.bar(x1,y1)
plt.show()
```



In [15]:

```
plt.barh(x1,y1)
plt.show()
```

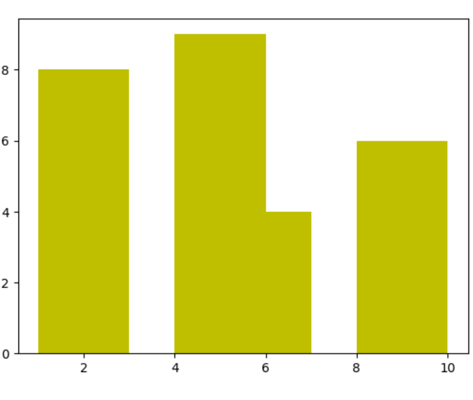


In [27]:

```
plt.bar(x1,y1,color='y',width=2
```

Out[27]:

```
<BarContainer object of 4 artis
ts>
```

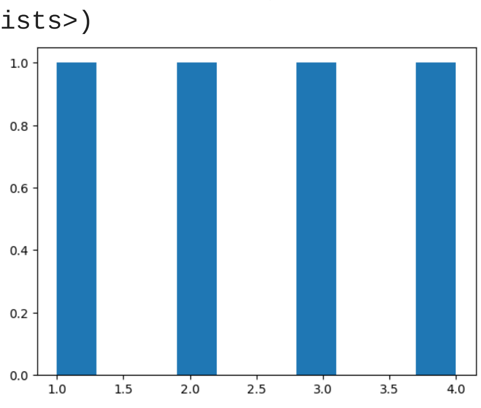


In [17]:

```
plt.hist(x)
```

Out[17]:

```
(array([1., 0., 0., 1., 0., 0.,
1., 0., 0., 1.]),
 array([1. , 1.3, 1.6, 1.9, 2.
2, 2.5, 2.8, 3.1, 3.4, 3.7, 4.
]),
 <BarContainer object of 10 art
ists>)
```

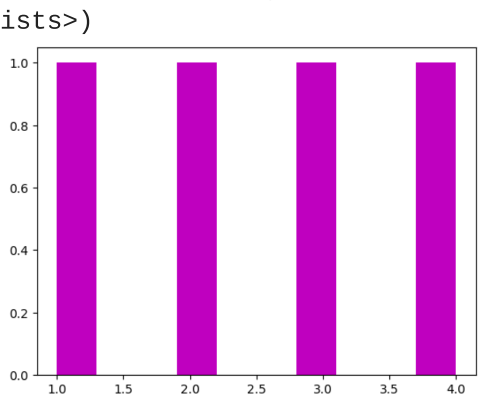


In [26]:

```
plt.hist(x,color="m")
```

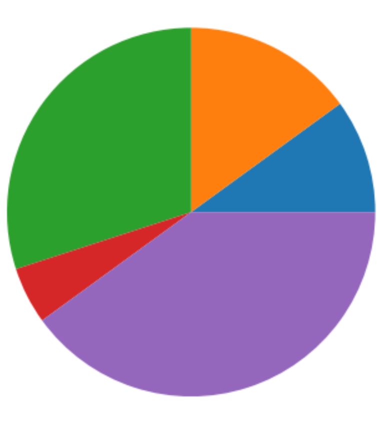
Out[26]:

```
(array([1., 0., 0., 1., 0., 0.,
1., 0., 0., 1.]),
 array([1. , 1.3, 1.6, 1.9, 2.
2, 2.5, 2.8, 3.1, 3.4, 3.7, 4.
]),
 <BarContainer object of 10 art
ists>)
```



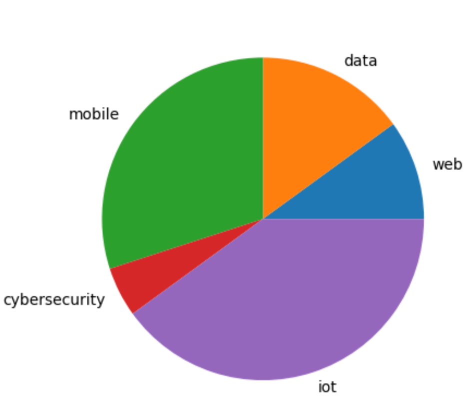
In [19]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
plt.pie(track_stud)
plt.show()
```



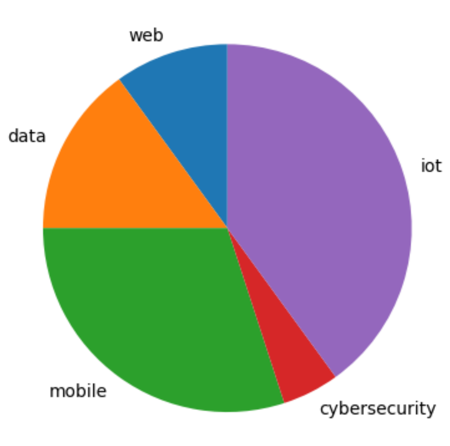
In [20]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
plt.pie(track_stud,labels=track
plt.show()
```



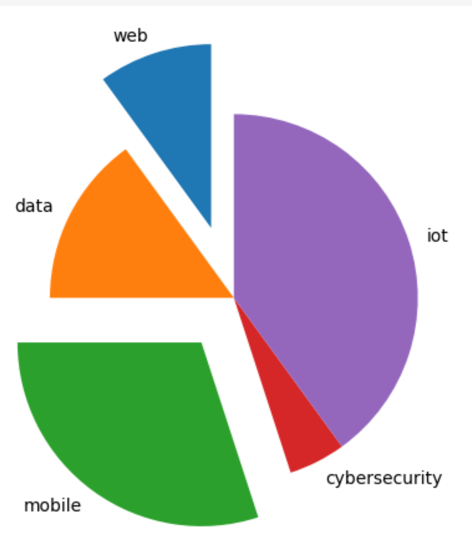
In [21]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
plt.pie(track_stud,labels=track
plt.show()
```



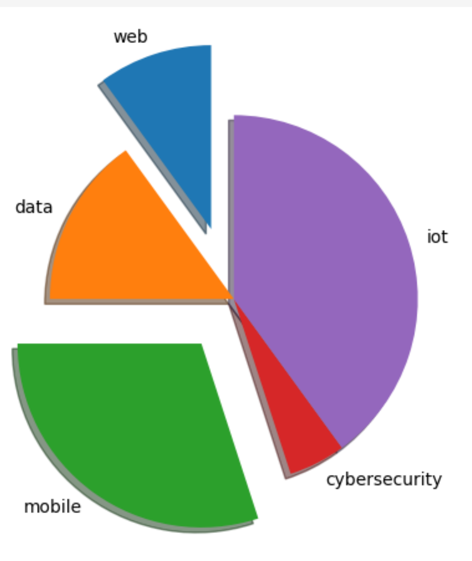
In [22]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
ex=[0.4,0,0.3,0,0]
plt.pie(track_stud,labels=track
plt.show()
```



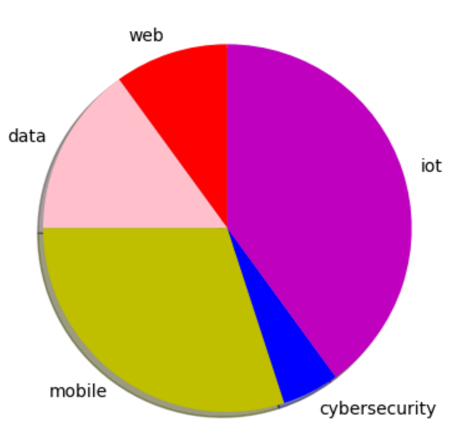
In [23]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
ex=[0.4,0,0.3,0,0]
plt.pie(track_stud,labels=track
plt.show()
```



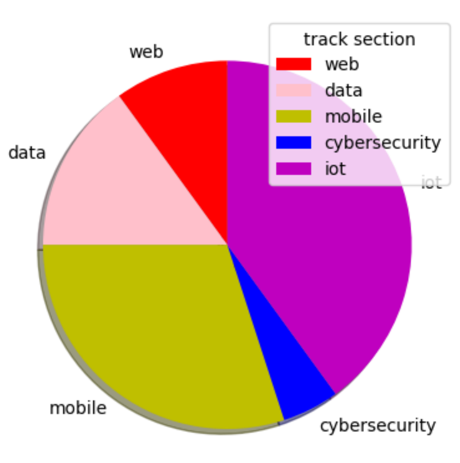
In [24]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
c=["r","pink","y","b","m"]
plt.pie(track_stud,labels=track
plt.show()
```



In [25]:

```
track_stud=np.array([20,30,60,1
track_name=np.array(["web","dat
c=["r","pink","y","b","m"]
plt.pie(track_stud,labels=track
plt.legend(title="track sectior
plt.show()
```



In [ ]: