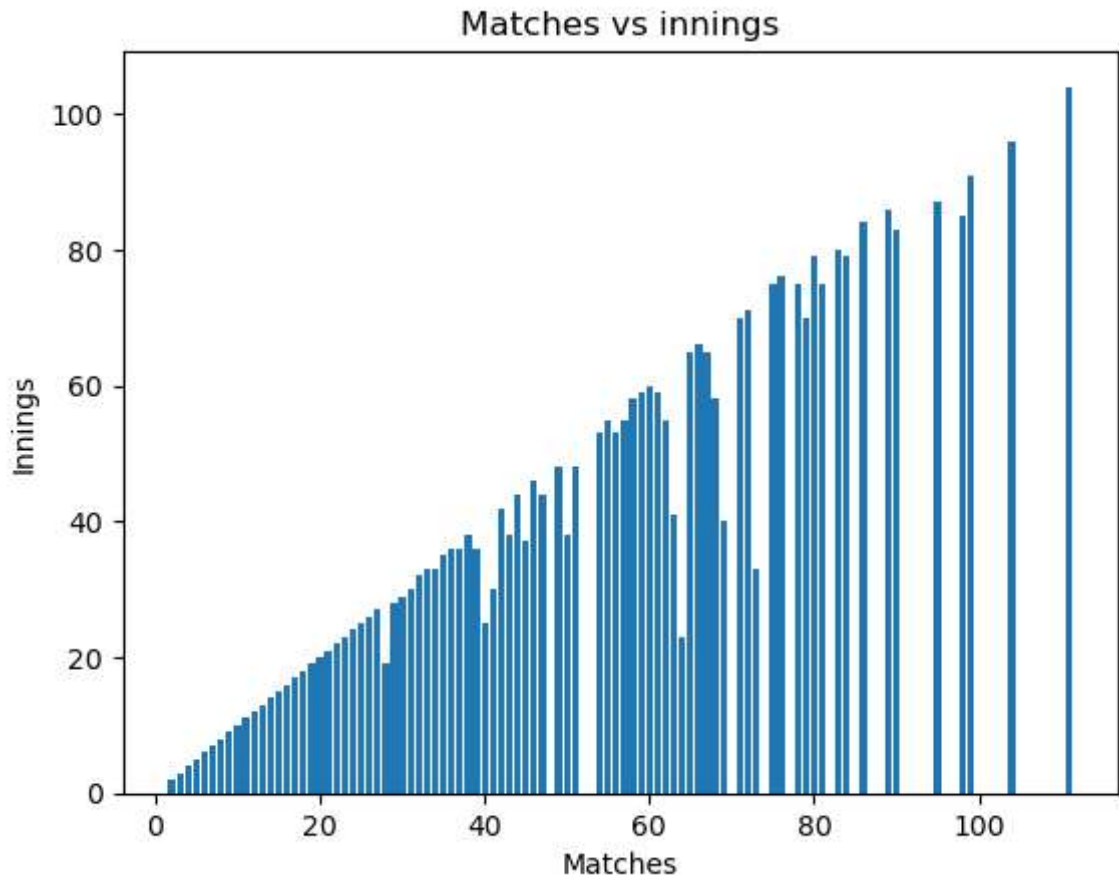


```
In [7]: import pandas as pd
import matplotlib.pyplot as plt
df=pd.read_csv('C:/Users/victus/OneDrive/Desktop/Players Data set.csv')
```

```
In [9]: plt.bar(df['Mat'],df['Inns'])
plt.title('Matches vs innings')
plt.xlabel('Matches')
plt.ylabel('Innings')
```

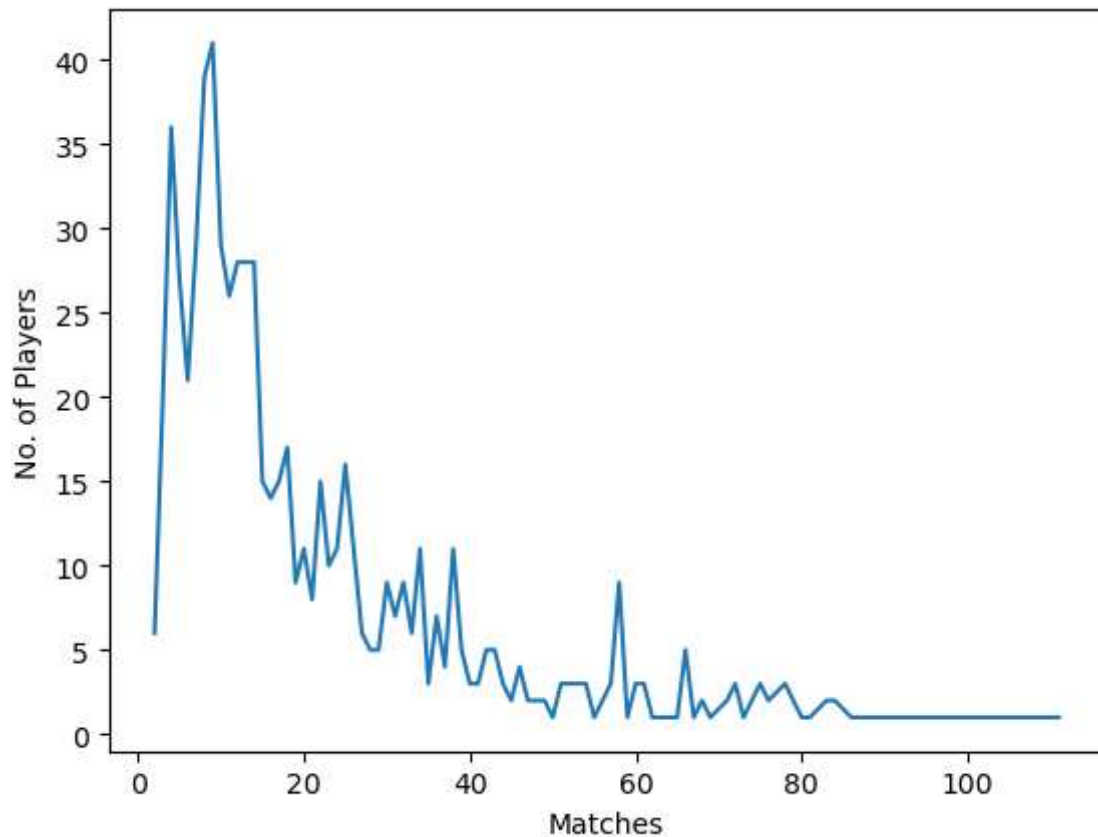
```
Out[9]: Text(0, 0.5, 'Innings')
```



In [12]:

```
matches=df['Mat'].tolist()
matches=set(country)
matches=list(country)
noofplayers=[]
for i in range(len(country)):
    a=df.groupby('Mat').get_group(matches[i])
    b=len(a)
    noofplayers.append(b)
plt.plot(matches,noofplayers)
plt.xlabel('Matches')
plt.ylabel('No. of Players')
```

Out[12]: Text(0, 0.5, 'No. of Players')



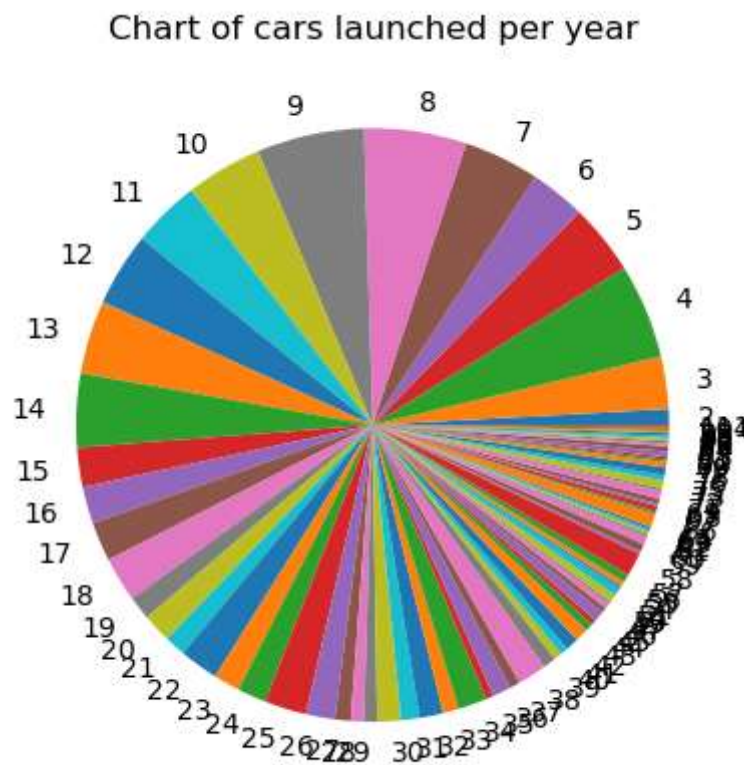
In [16]:

```

year=df['Mat'].tolist()
year=set(year)
year=list(year)
noofmodels=[]
for i in range(len(year)):
    a=df.groupby('Mat').get_group(year[i])
    b=len(a)
    noofmodels.append(b)
plt.pie(noofmodels,labels=year)
plt.title('Chart of cars launched per year')

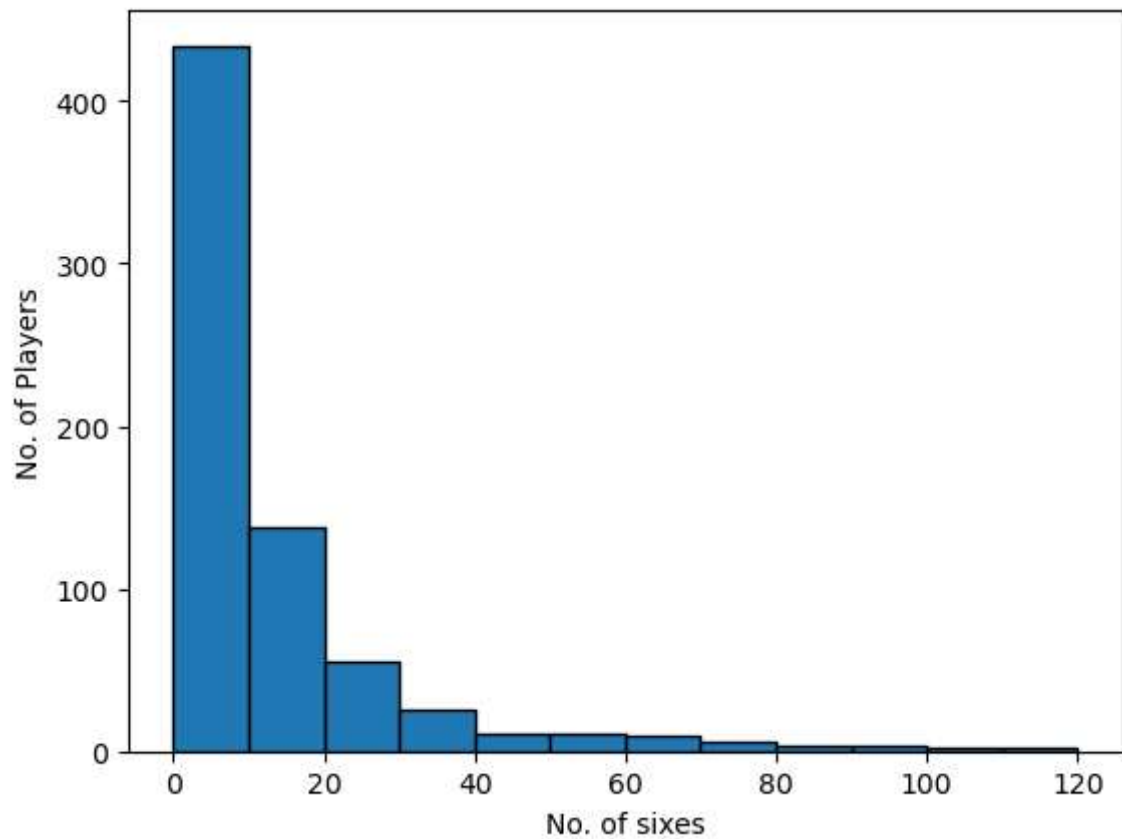
```

Out[16]: Text(0.5, 1.0, 'Chart of cars launched per year')



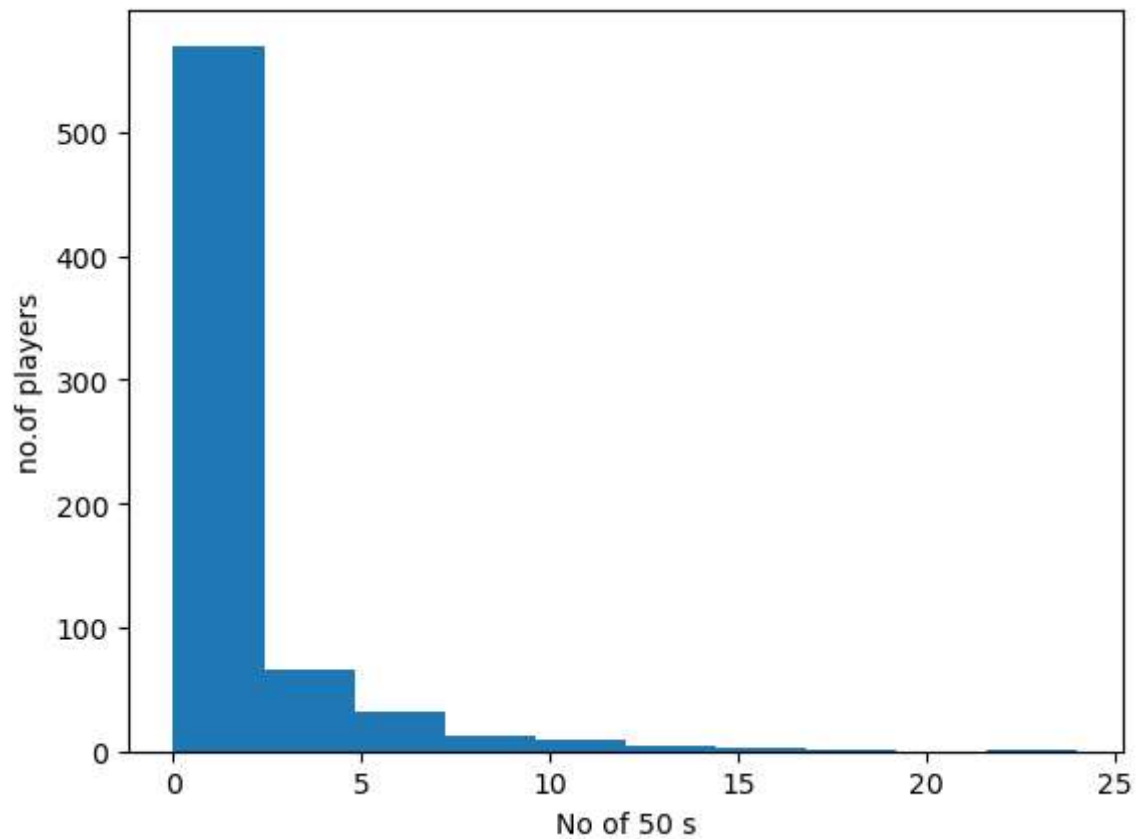
```
In [21]: b=df['6s']  
plt.hist(b,bins=12,edgecolor='black')  
plt.xlabel('No. of sixes')  
plt.ylabel('No. of Players')
```

Out[21]: Text(0, 0.5, 'No. of Players')



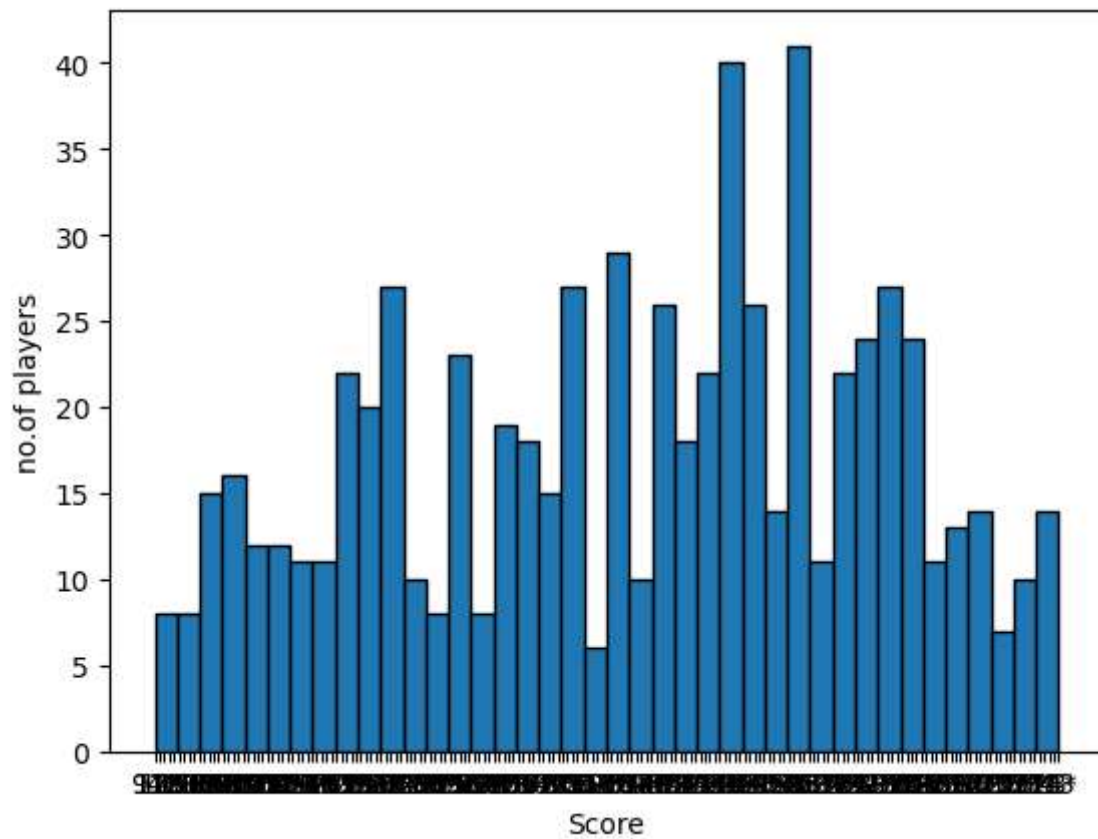
```
In [22]: d=df['50']  
plt.hist(d)  
plt.xlabel('No of 50 s')  
plt.ylabel('no.of players')
```

Out[22]: Text(0, 0.5, 'no.of players')



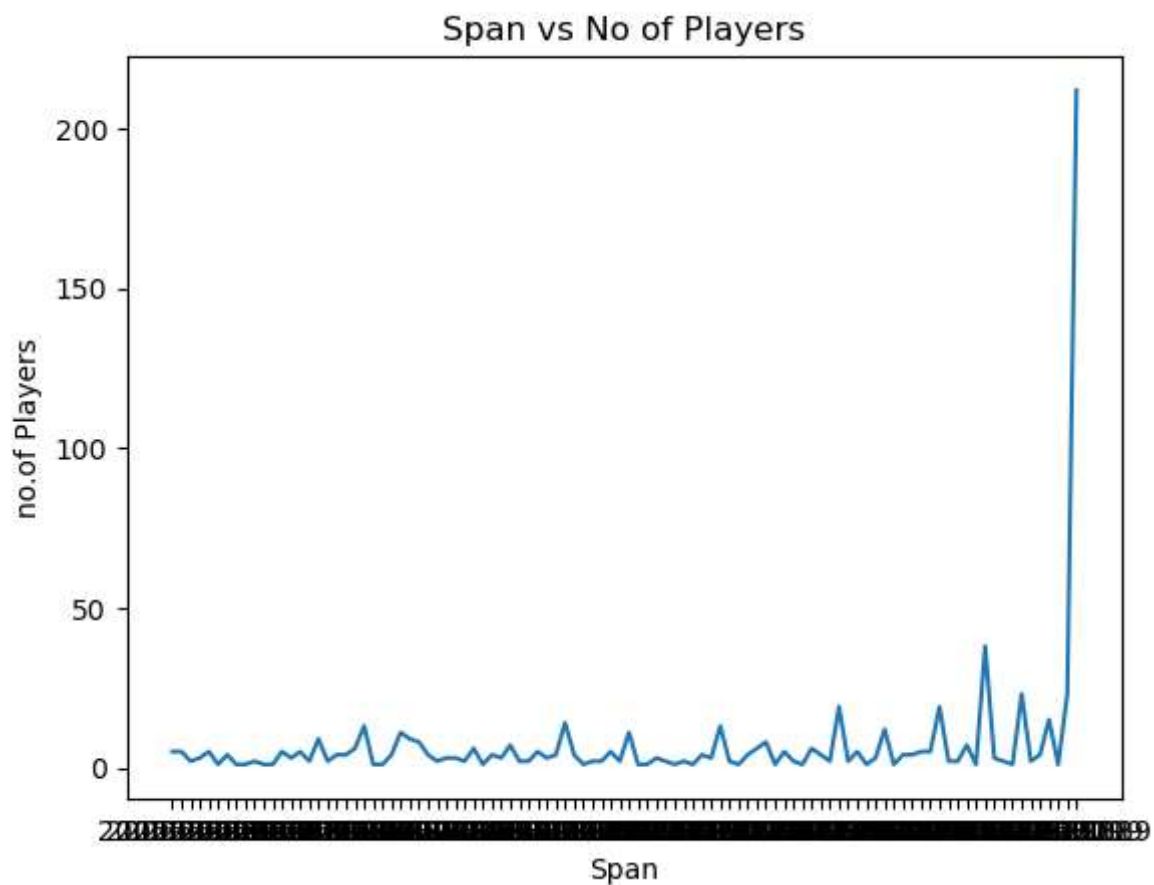
```
In [23]: d=df['HS']  
plt.hist(d,bins=40,edgecolor='black')  
plt.xlabel('Score')  
plt.ylabel('no.of players')
```

Out[23]: Text(0, 0.5, 'no.of players')



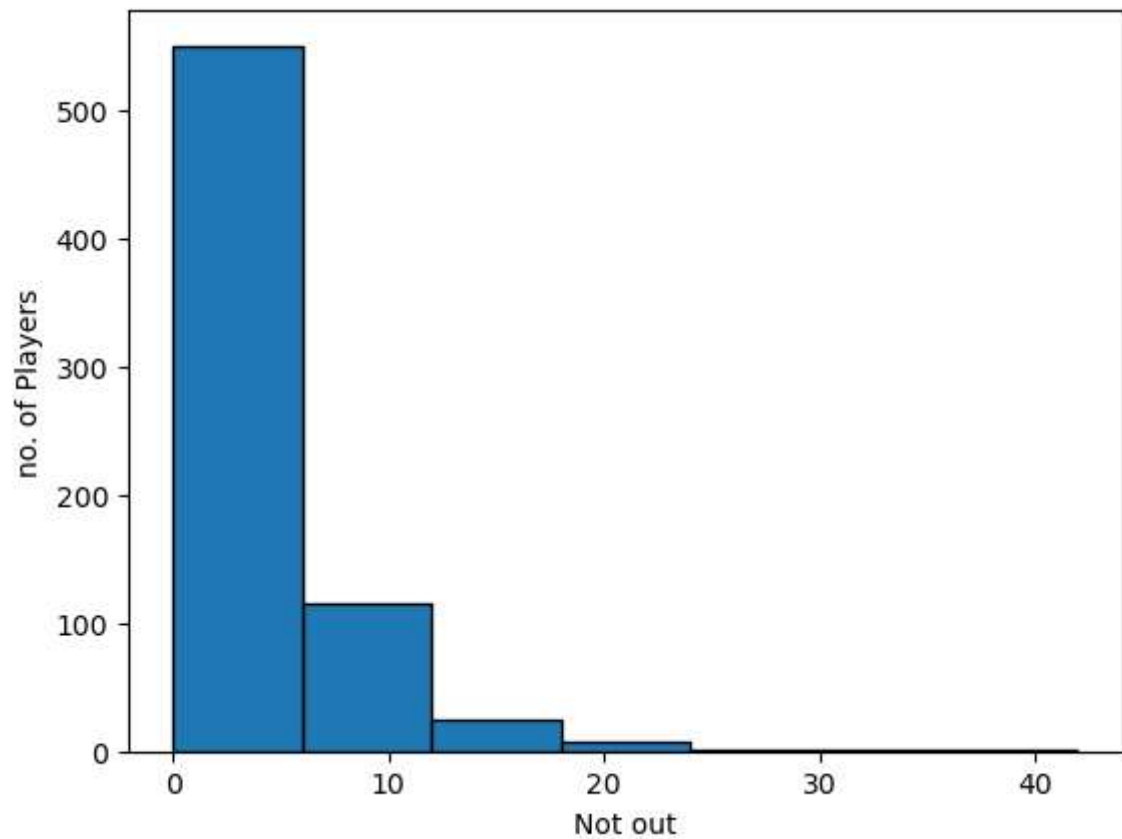
```
In [25]: d=df['Span'].tolist()
d=set(d)
d=list(d)
d.sort()
accelerate=[]
for i in range(len(d)):
    a=df.groupby('Span').get_group(d[i])
    b=len(a)
    accelerate.append(b)
plt.plot(d,accelerate)
plt.title('Span vs No of Players')
plt.xlabel('Span')
plt.ylabel('no.of Players')
```

Out[25]: Text(0, 0.5, 'no.of Players')



```
In [26]: d=df['Not out']  
plt.hist(d,bins=7,edgecolor='black')  
plt.xlabel('Not out')  
plt.ylabel('no. of Players')
```

Out[26]: Text(0, 0.5, 'no. of Players')



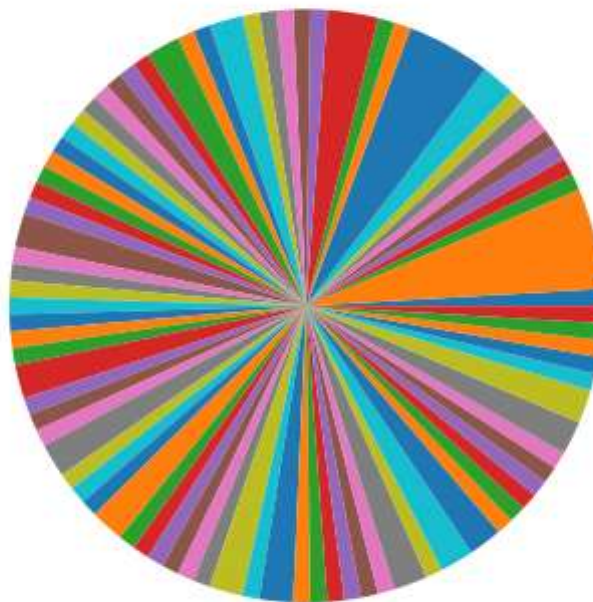


In [30]:

```
mpg=df['Ave'].tolist()
mpg=set(mpg)
mpg=list(mpg)
noofply=[]
for i in range(len(year)):
    a=df.groupby('Ave').get_group(mpg[i])
    b=len(a)
    noofply.append(b)
plt.pie(noofply)
plt.title('Average')
```

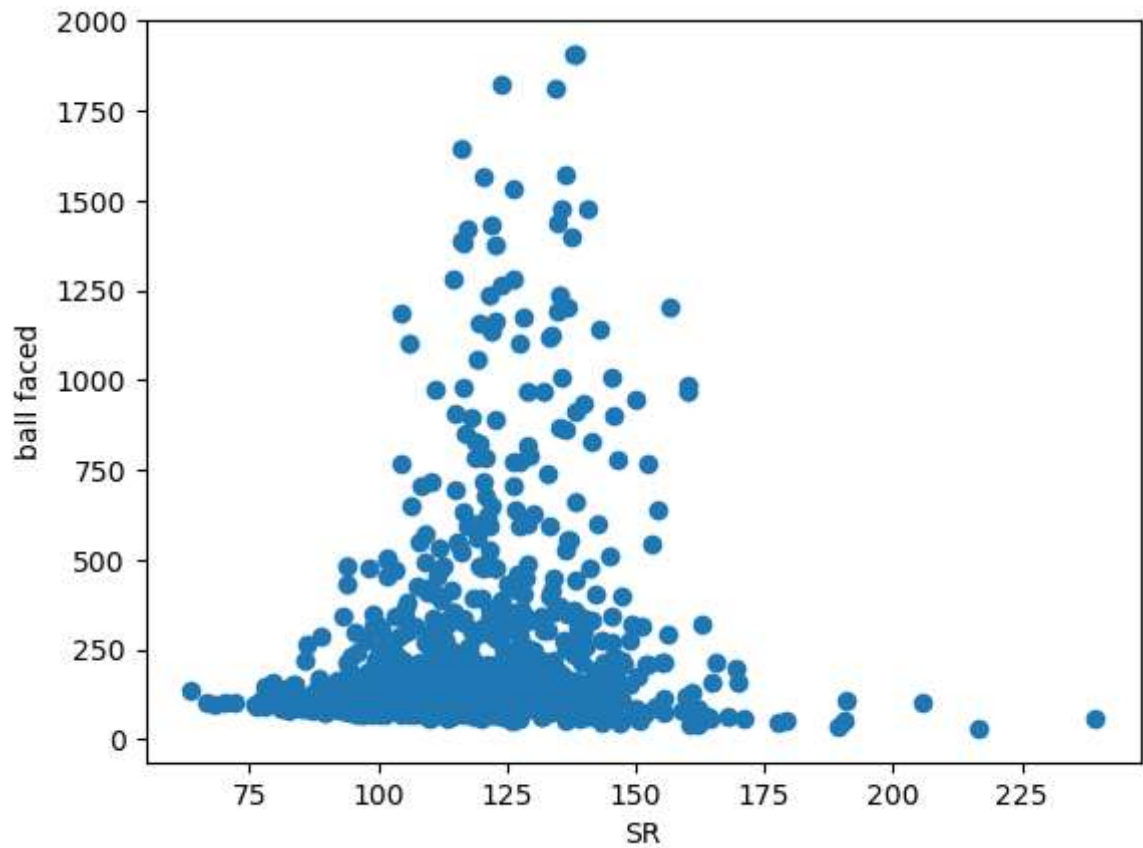
Out[30]: Text(0.5, 1.0, 'Average')

Average



```
In [34]: d=df['ball faced']  
e=df['SR']  
plt.scatter(e,d)  
plt.ylabel('ball faced')  
plt.xlabel('SR')
```

Out[34]: Text(0.5, 0, 'SR')



In [ ]: