In [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:
```
import os
current_directory = os.getcwd()
print("Current Working Directory:", current_directory)
```

```
Current Working Directory: C:\Users\karan
```

In [3]:
```
data=pd.read_csv("C:\\Users\\karan\\Cars.csv")
data
```

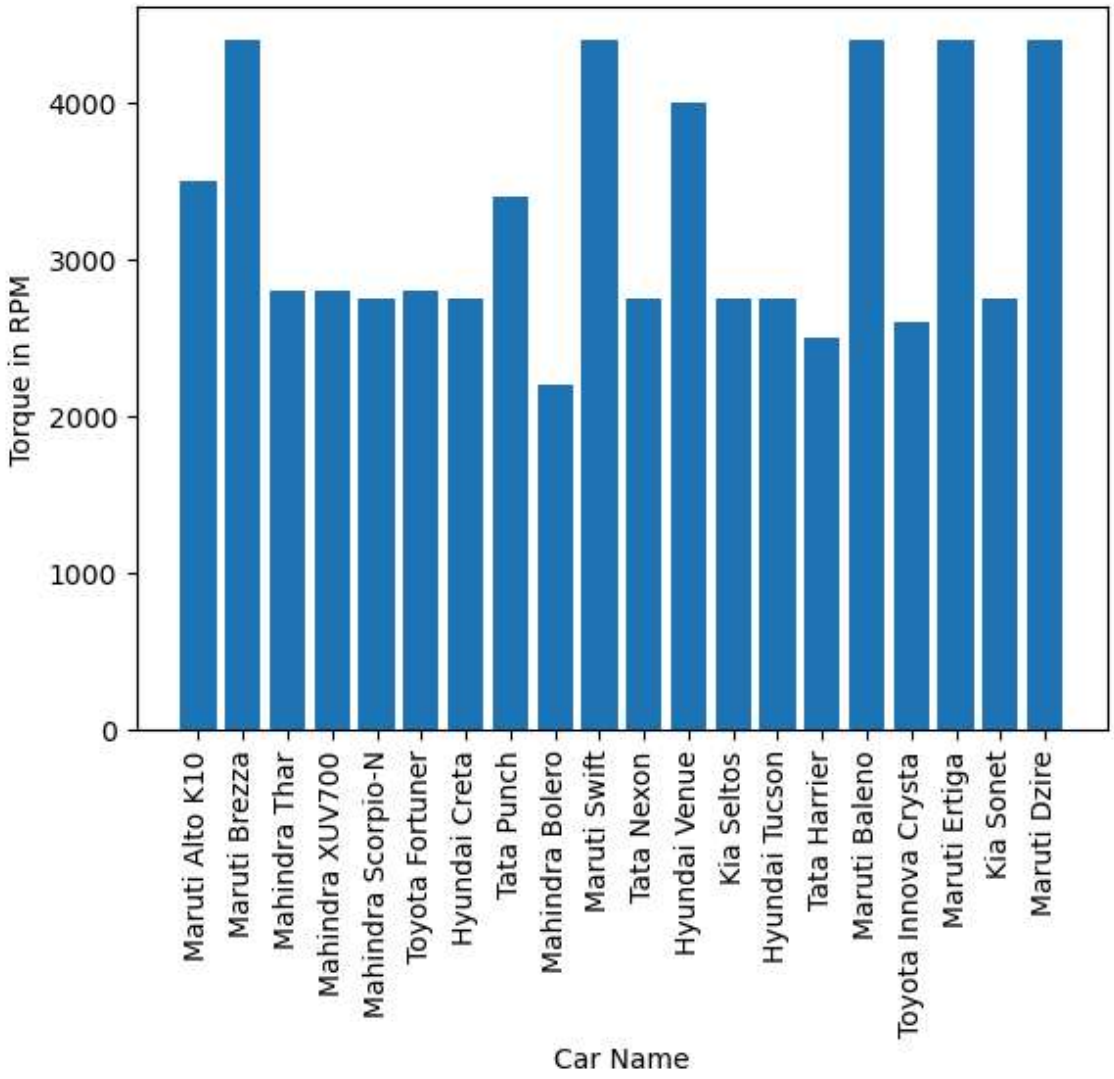
Out[3]:

	car_name	reviews_count	fuel_type	engine_displacement	no_cylinder	seating_capacity
0	Maruti Alto K10	51	Petrol	998	3	5.(
1	Maruti Brezza	86	Petrol	1462	4	5.(
2	Mahindra Thar	242	Diesel	2184	4	4.(
3	Mahindra XUV700	313	Diesel	2198	4	7.(
4	Mahindra Scorpio-N	107	Diesel	2198	4	7.(
...	...	...	...	...	...	..
198	Mercedes-Benz AMG A 45 S	35	Petrol	1991	4	5.(
199	BMW 3 Series Gran Limousine	3	Petrol	1998	4	5.(
200	MG Hector Plus	2	Diesel	1956	4	7.(
201	Audi RS Q8	9	Petrol	3998	8	5.(
202	Maruti Alto 800 tour	4	Petrol	796	3	5.(

203 rows × 16 columns

In [4]:
```
temp=data[0:20]
```

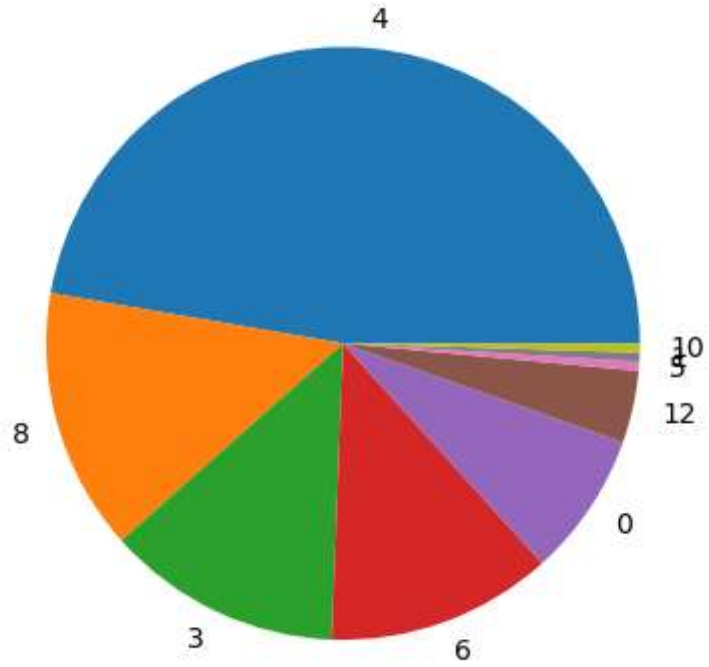
In [5]:
```
plt.bar(temp.car_name,temp.max_torque_rpm)
plt.xlabel('Car Name')
plt.ylabel('Torque in RPM')
plt.xticks(rotation='vertical')
plt.show()
```



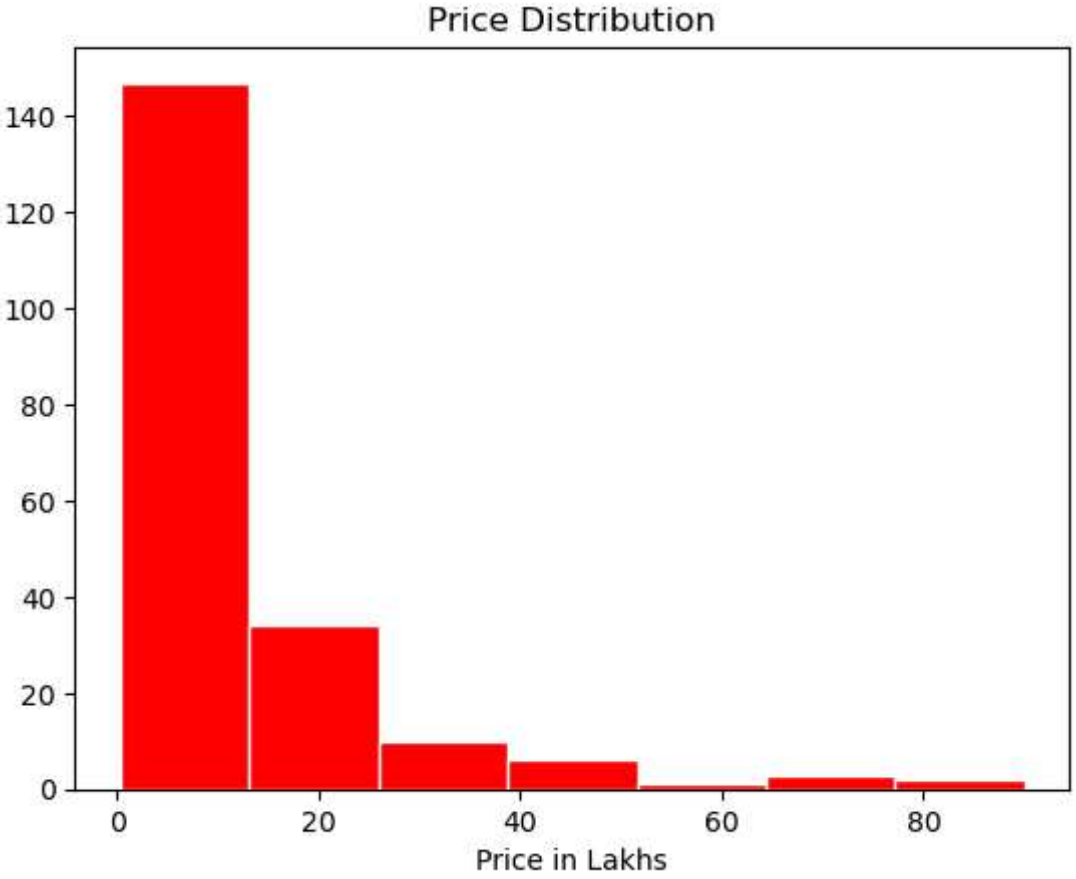
In [6]:
```
count=data.no_cylinder.value_counts()
count
```

Out[6]:
```
no_cylinder
4     96
8     29
3     26
6     25
0     16
12     8
5      1
1      1
10     1
Name: count, dtype: int64
```

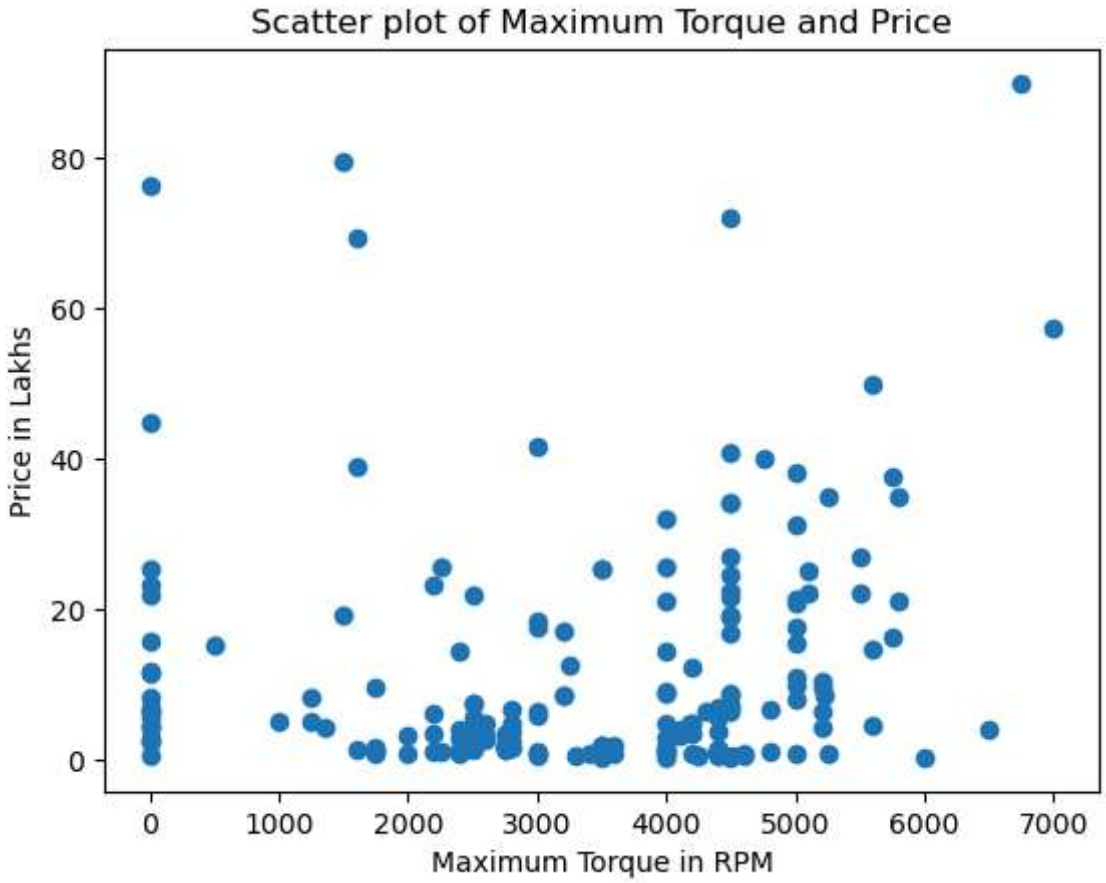
In [7]:
```
plt.pie(count,labels=count.index.tolist())
plt.show()
```



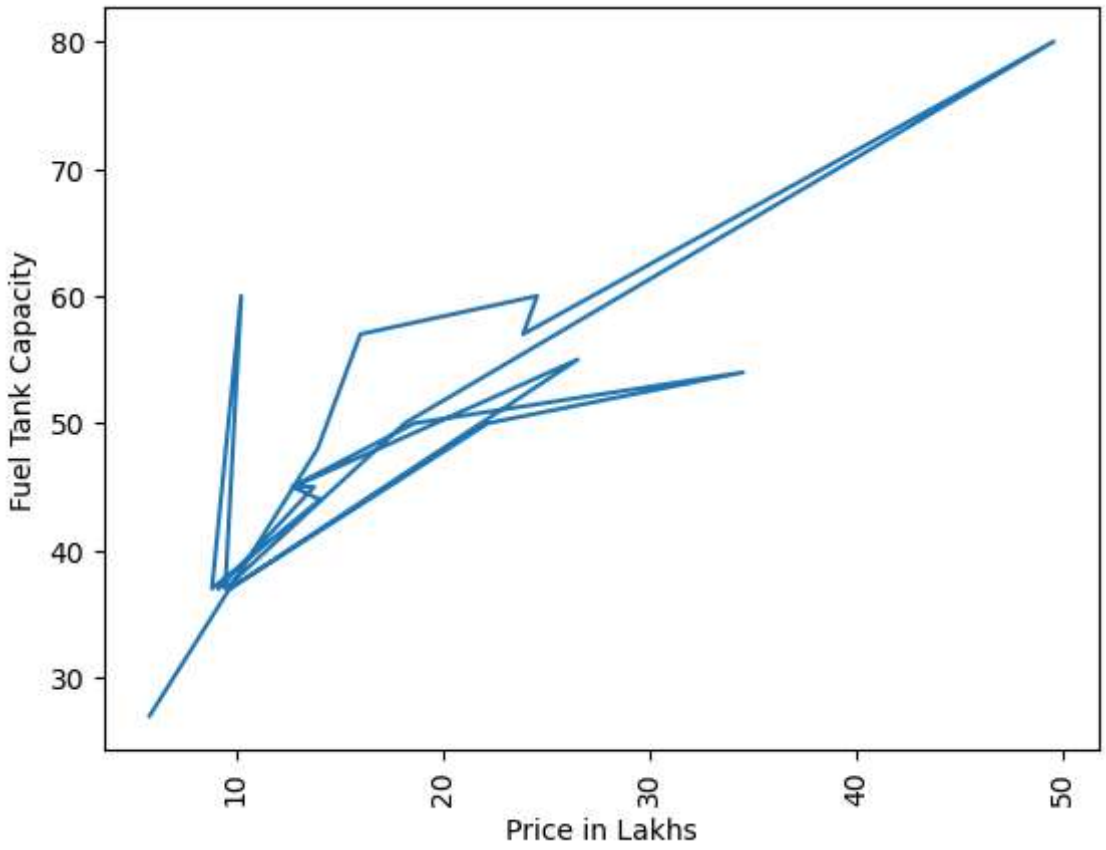
In [8]:
```
plt.hist(data.ending_price/10**6,bins=7,color='red',edgecolor='white',orie
plt.xlabel('Price in Lakhs')
plt.title('Price Distribution')
plt.show()
```



In [9]:
```
plt.scatter(data.max_torque_rpm,data.ending_price/10**6)
plt.title('Scatter plot of Maximum Torque and Price')
plt.xlabel('Maximum Torque in RPM')
plt.ylabel('Price in Lakhs')
plt.show()
```



In [18]:
```
plt.plot(temp.ending_price/10**5,temp.fuel_tank_capacity)
plt.xticks(rotation='vertical')
plt.xlabel('Price in Lakhs')
plt.ylabel('Fuel Tank Capacity')
plt.show()
```



In [ ]:
```

```