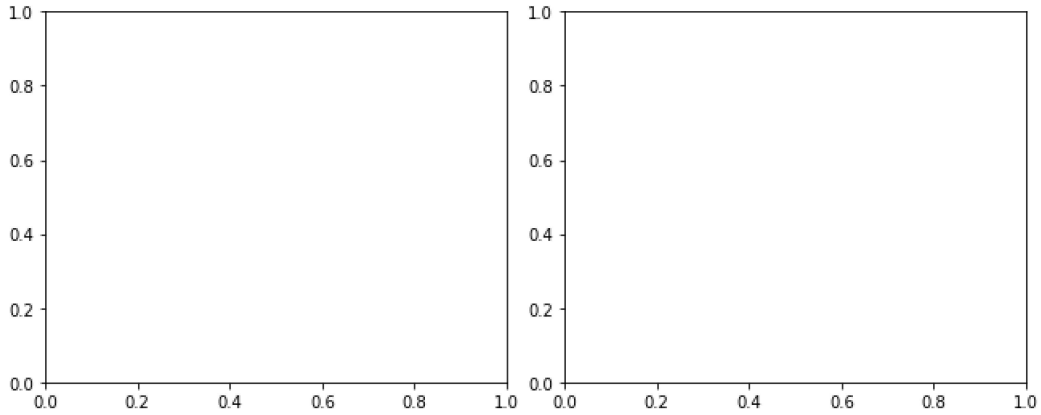
In [5]:
```
import  matplotlib.pyplot as plt
from matplotlib.figure import Figure
```

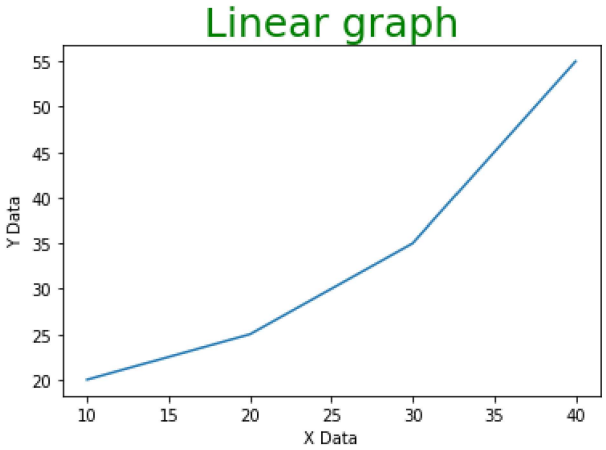
In [6]:
```
x=[10, 20, 30, 40]
y=[20, 25, 35, 55]
```

In [7]:
```
fig = plt.figure(figsize =(5,4))
ax1 = fig.add_axes([0.1, 0.1, 0.8, 0.8])
ax2 = fig.add_axes([1, 0.1, 0.8, 0.8])
```



In [8]:
```
plt.plot(x,y)
plt.title("Linear graph", fontsize =25, color="green")
plt.xlabel("X Data")
plt.ylabel("Y Data")
```

Out[8]: Text(0, 0.5, 'Y Data')



In [9]:
```
import matplotlib.pyplot as plt
import pandas as pd
```

In [10]:
```
df = pd.read_csv('C:/sameer/tips_4 - tips_4.csv')
```

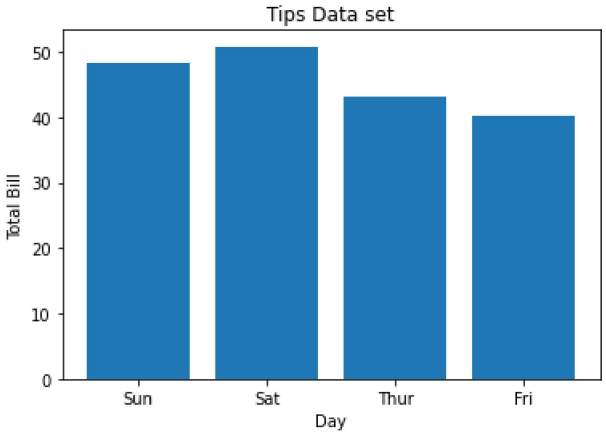
In [11]:
```
df.head()
```

Out[11]:

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

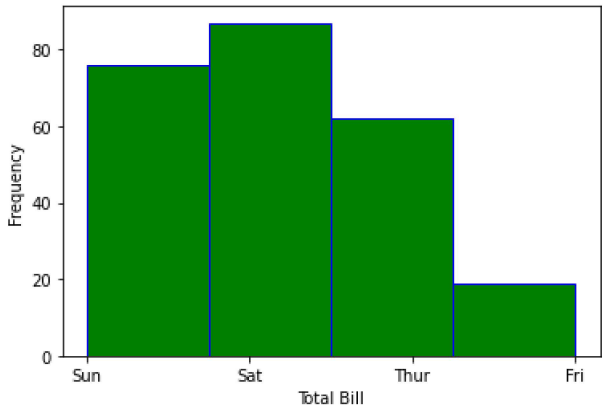
In [12]:
```
x=df['day']
y=df['total_bill']
plt.bar(x,y)
plt.title('Tips Data set')
plt.xlabel('Day')
plt.ylabel('Total Bill')
plt.show
```

Out[12]: <function matplotlib.pyplot.show(close=None, block=None)>

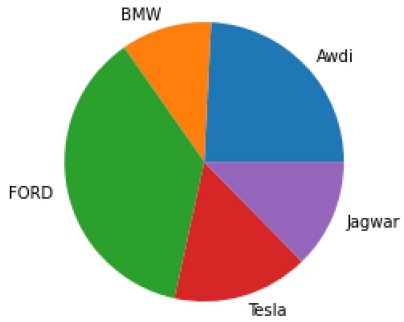


In [13]:
```
plt.hist(x, bins=4, color='green', edgecolor='blue')
plt.ylabel('Frequency')
plt.xlabel('Total Bill')
```

Out[13]: Text(0.5, 0, 'Total Bill')



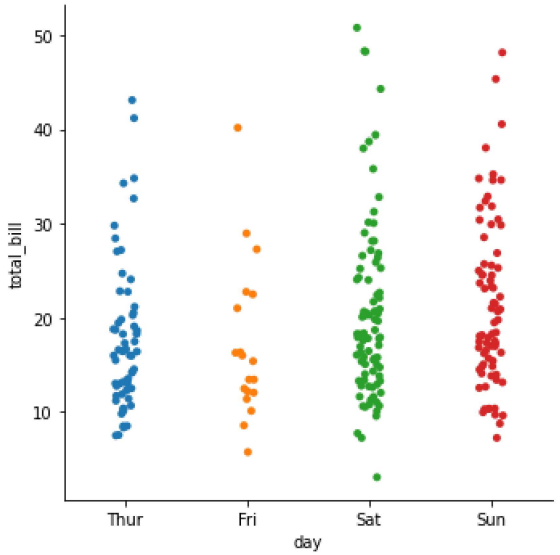
In [14]:
```
import matplotlib.pyplot as plt

cars = ['Awdi','BMW','FORD','Tesla','Jagwar']
data = [23, 10,35,15, 12]

plt.pie(data, labels=cars)
plt.show()
```



In [15]:
```
import seaborn as sns
tips = sns.load_dataset('tips')
```

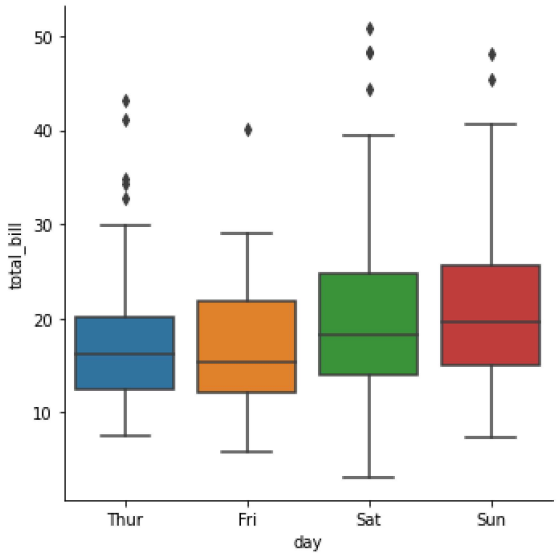
In [16]:
```
sns.catplot(x='day',y='total_bill',data=tips)
```

Out[16]:
```
<seaborn.axisgrid.FacetGrid at 0x288fbd3bc88>
```



In [17]:
```
sns.catplot(x='day',y='total_bill',data=tips, kind='box')
```

Out[17]:
```
<seaborn.axisgrid.FacetGrid at 0x288fbea1cf8>
```



In [ ]:
```

```