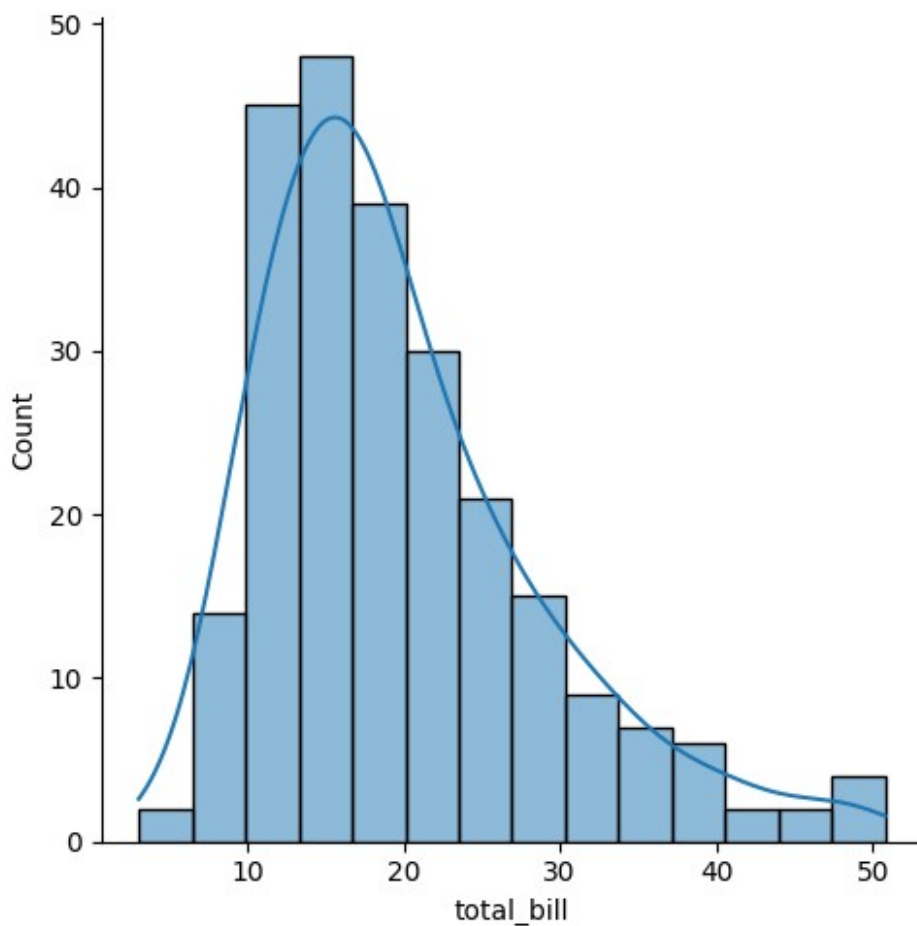


```
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
tips=sns.load_dataset('tips')
tips.head()
```

	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

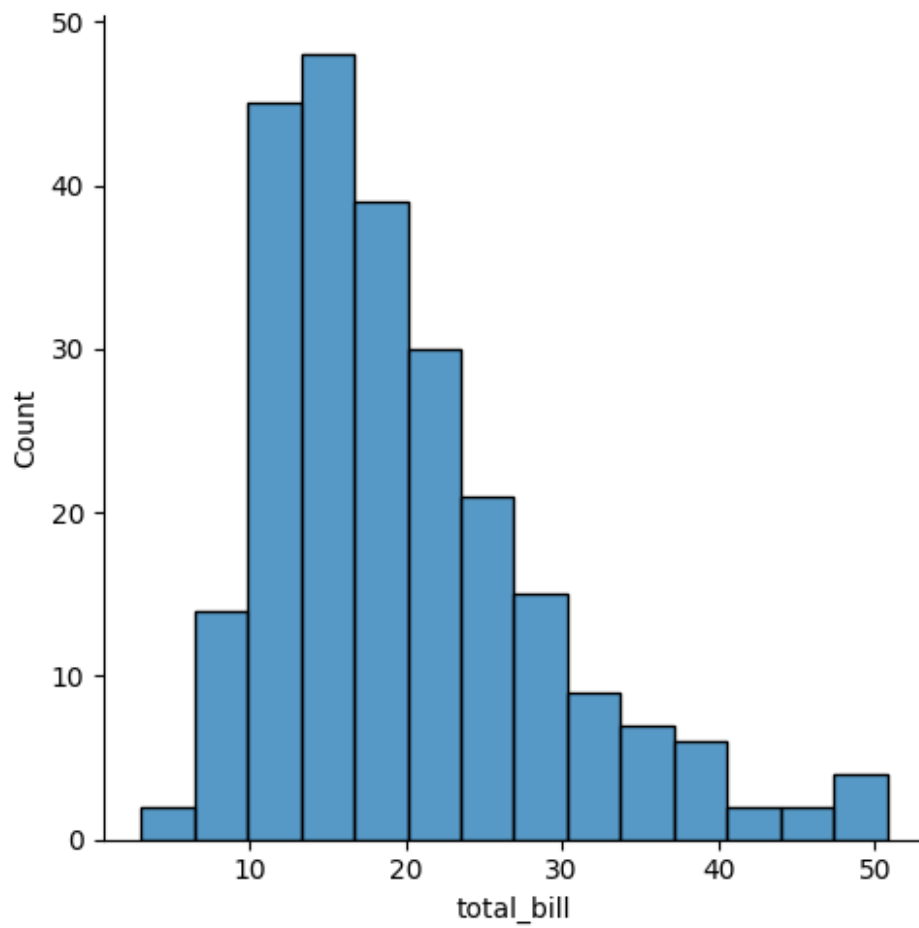
```
sns.displot(tips.total_bill,kde=True)
```

```
<seaborn.axisgrid.FacetGrid at 0x132efab8348>
```

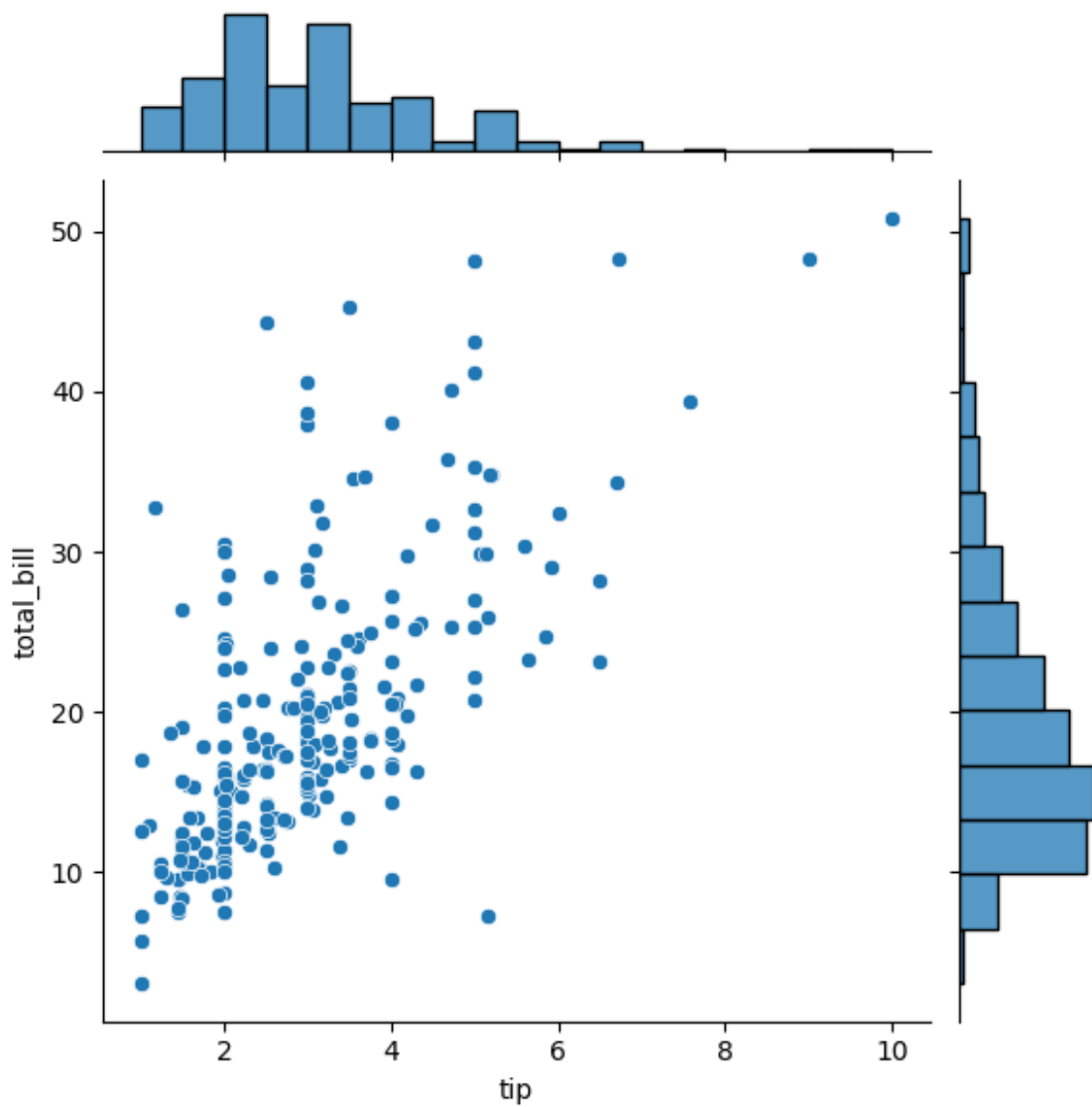


```
sns.displot(tips.total_bill,kde=False)
```

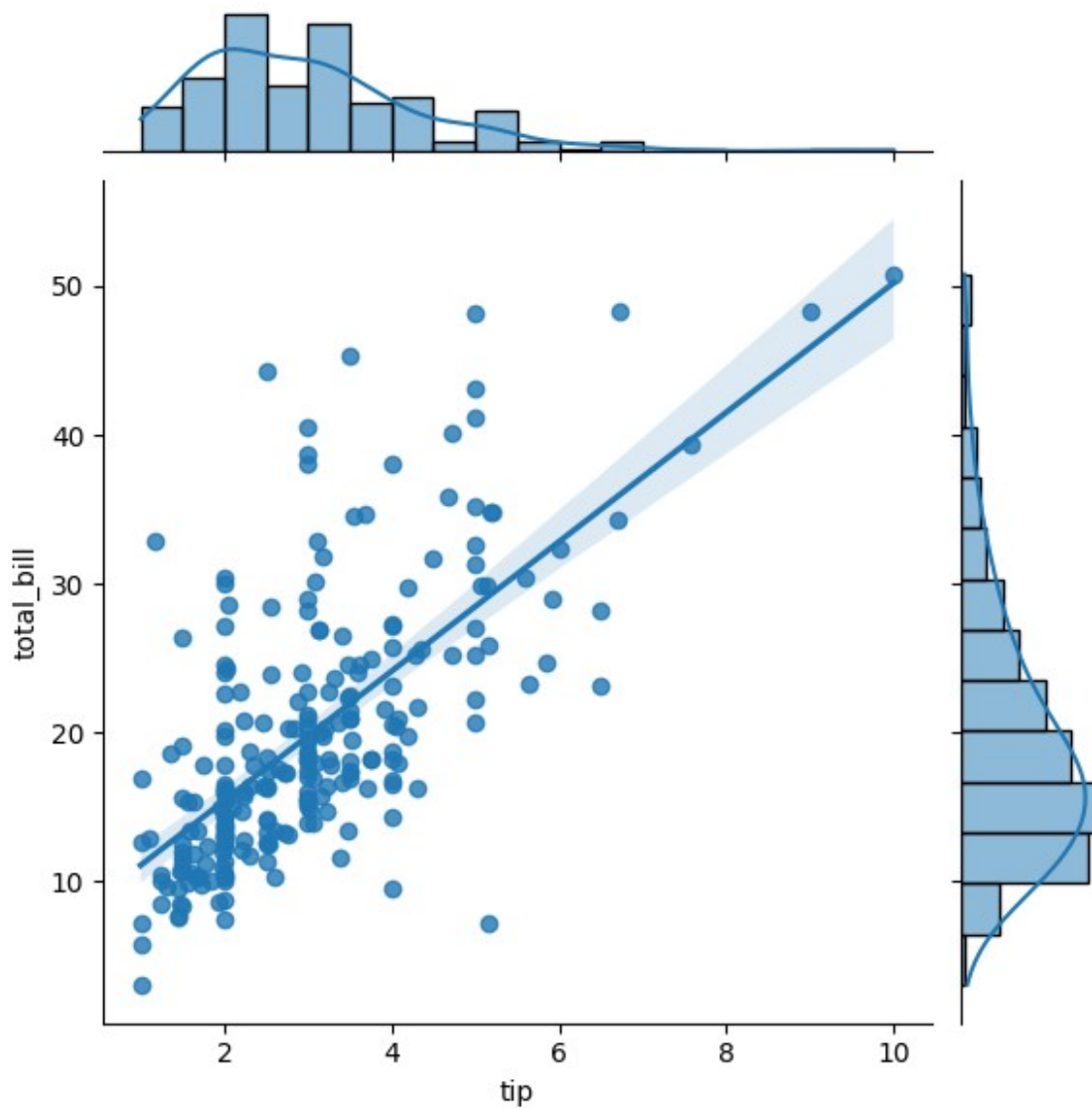
```
<seaborn.axisgrid.FacetGrid at 0x132f1e88148>
```



```
sns.jointplot(x=tips.tip,y=tips.total_bill)  
<seaborn.axisgrid.JointGrid at 0x132f1f636c8>
```

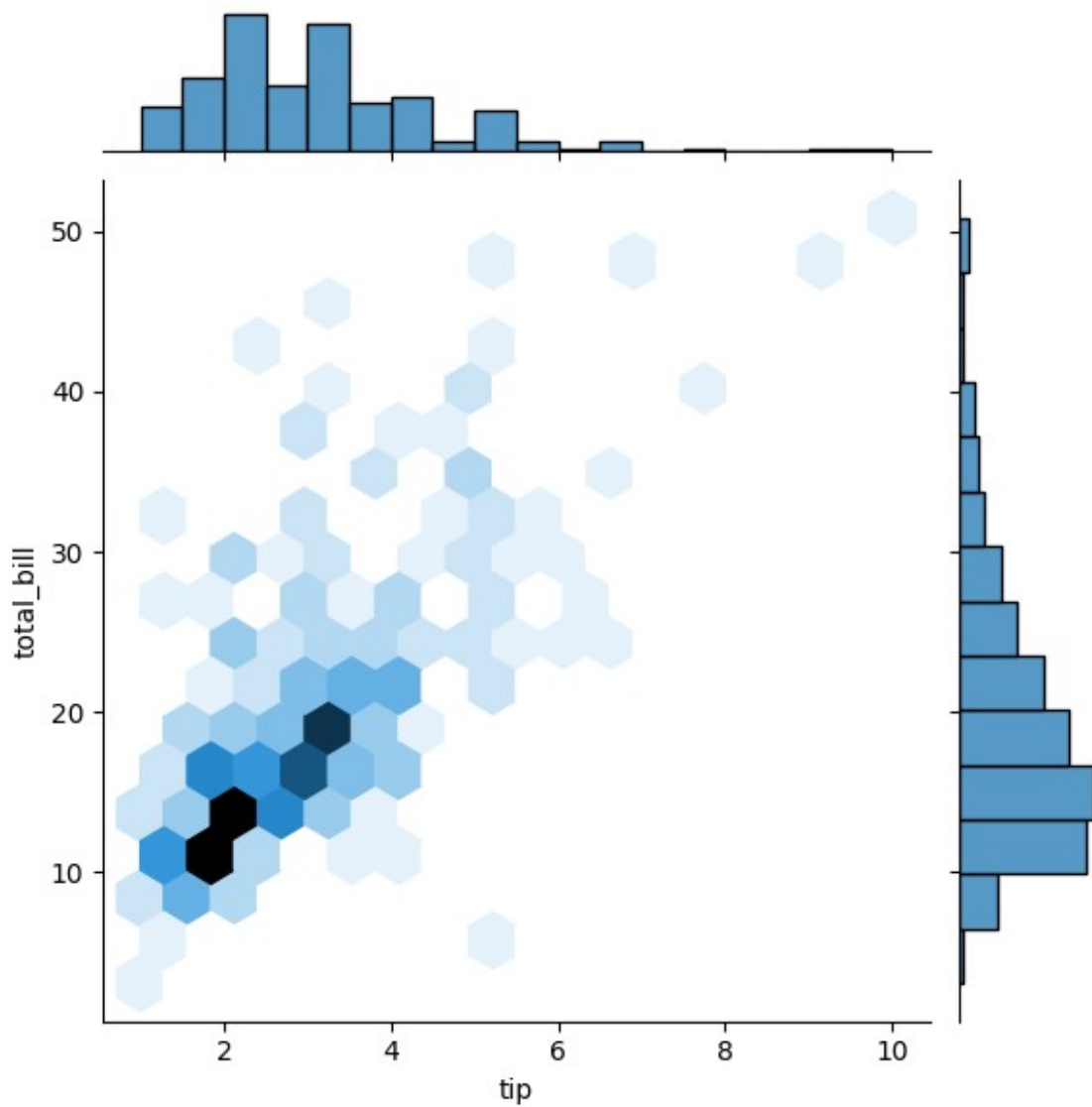


```
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="reg")  
<seaborn.axisgrid.JointGrid at 0x132f2224e88>
```



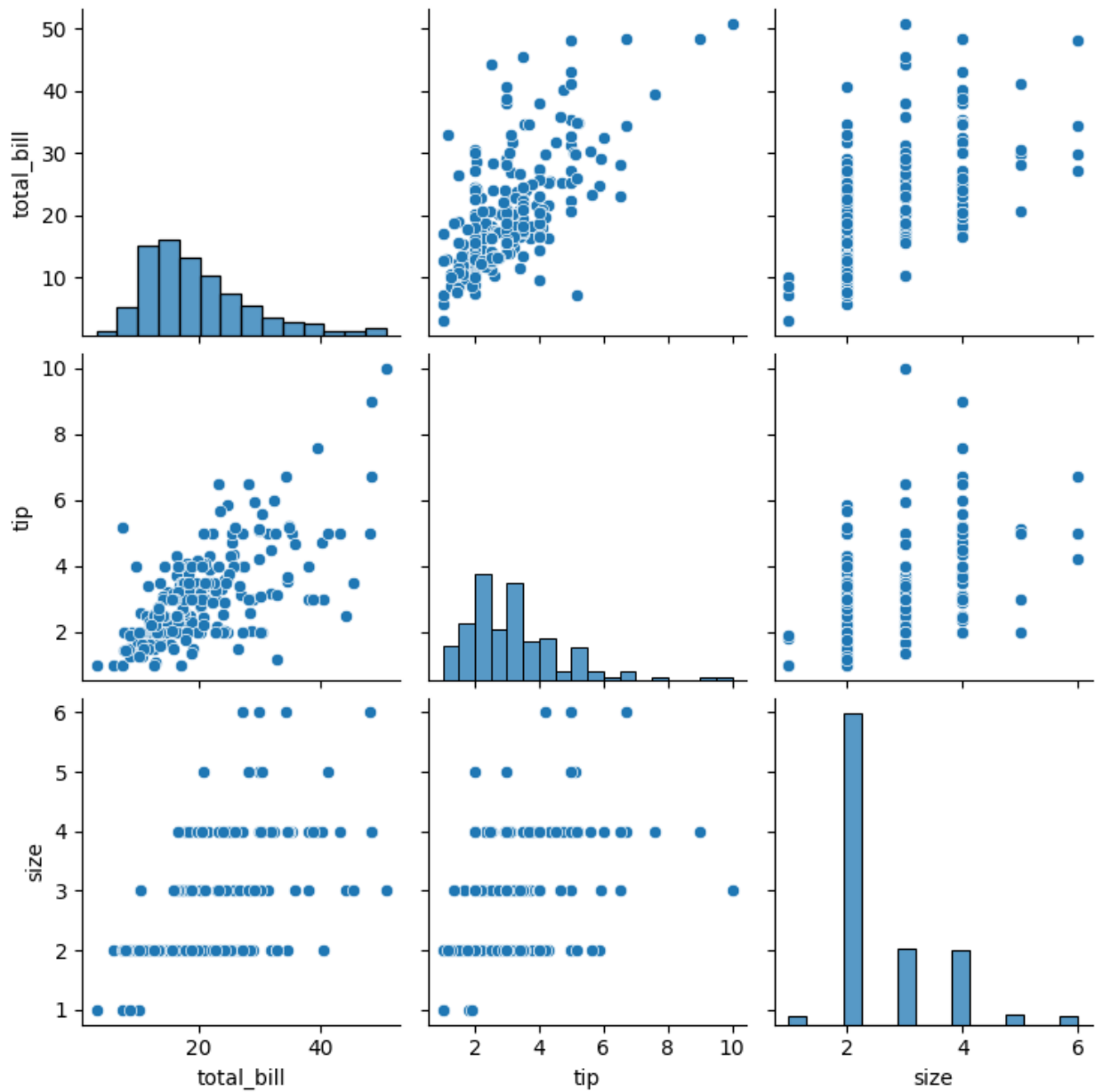
```
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="hex")
```

```
<seaborn.axisgrid.JointGrid at 0x132f26f5d08>
```



```
sns.pairplot(tips)
```

```
<seaborn.axisgrid.PairGrid at 0x132f26f7708>
```



```
tips.time.value_counts()
```

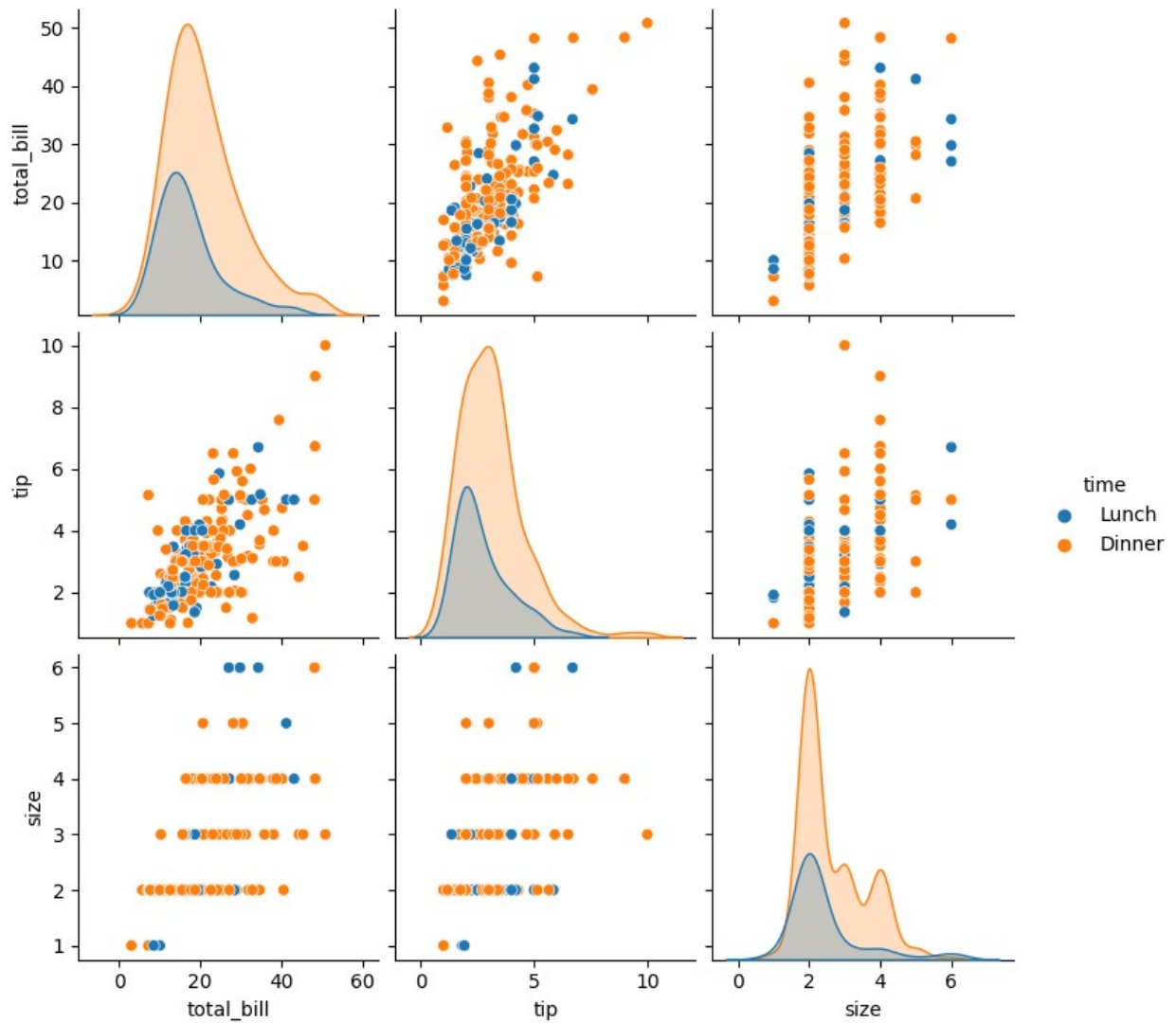
```
Dinner    176
```

```
Lunch      68
```

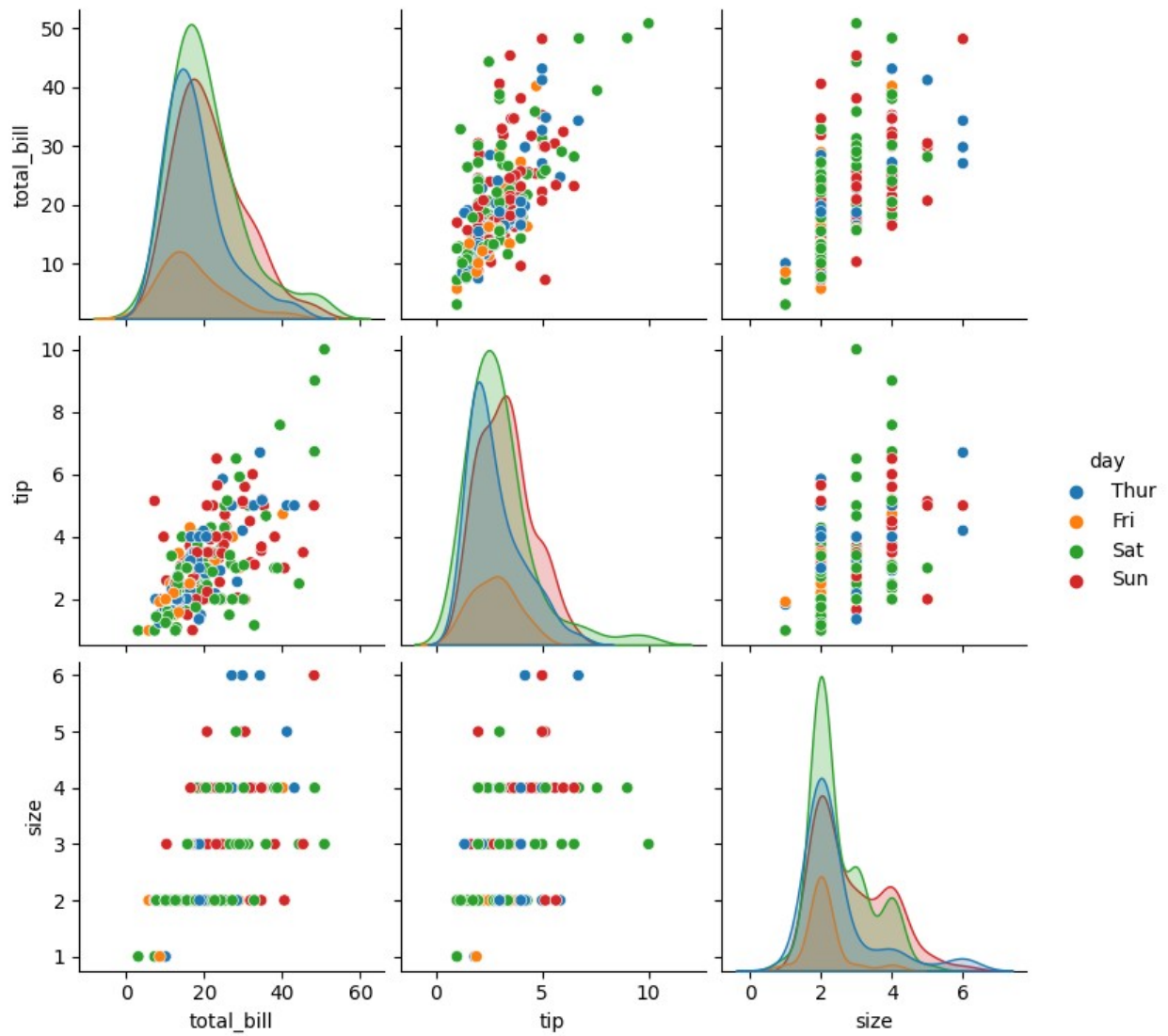
```
Name: time, dtype: int64
```

```
sns.pairplot(tips, hue='time')
```

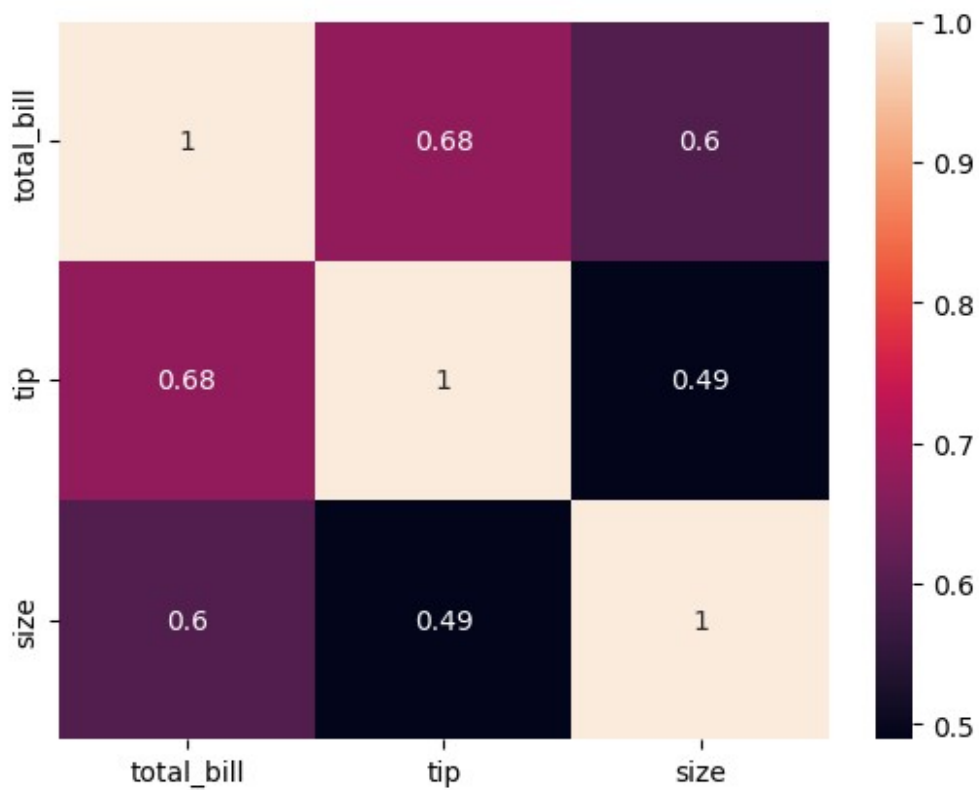
```
<seaborn.axisgrid.PairGrid at 0x132f3420d88>
```



```
sns.pairplot(tips, hue='day')
<seaborn.axisgrid.PairGrid at 0x132f4c14088>
```

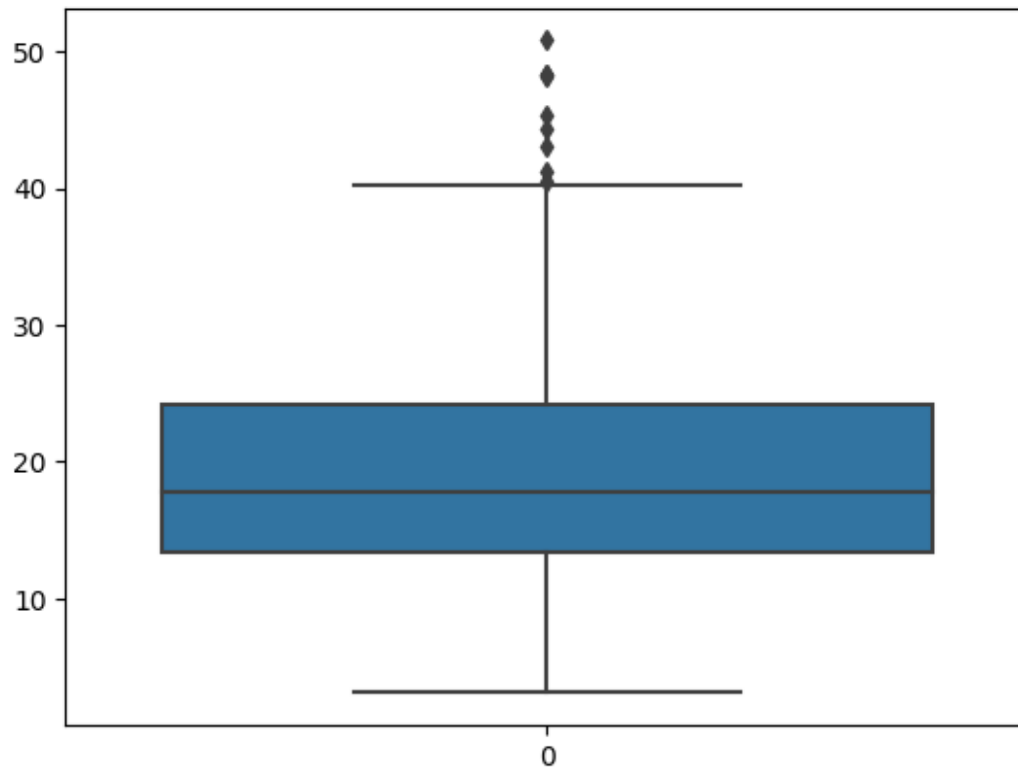


```
sns.heatmap(tips.select_dtypes(include=['number']).corr(), annot=True)
<AxesSubplot:>
```

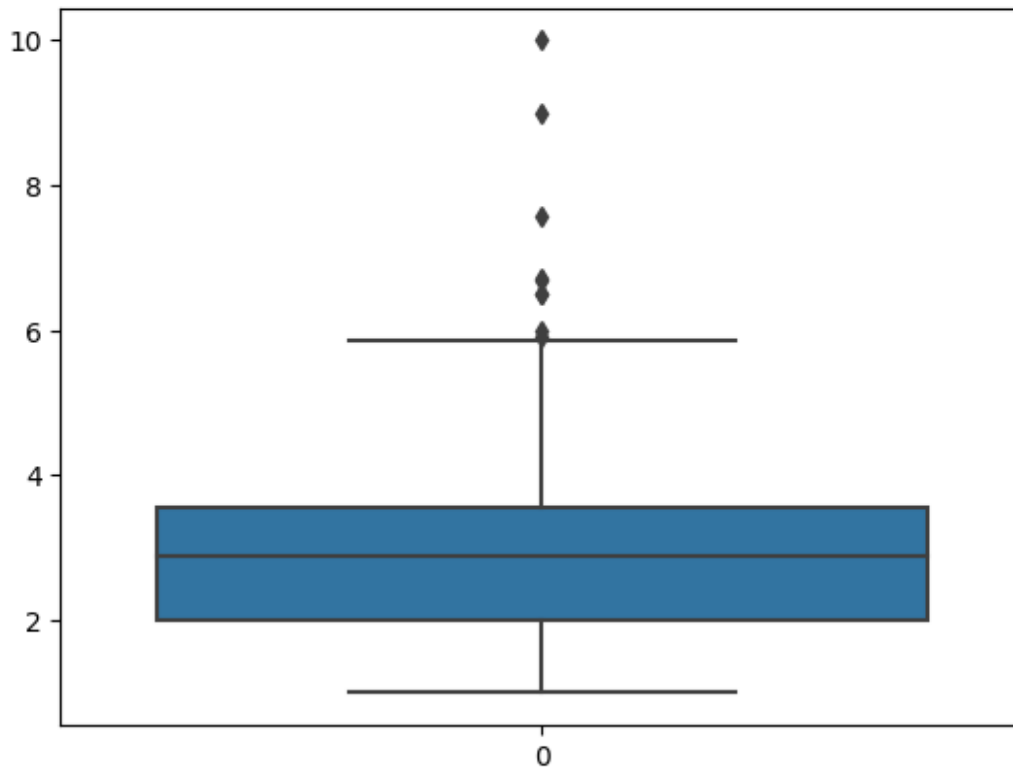
```
sns.boxplot(tips.total_bill)
```

```
<AxesSubplot:>
```

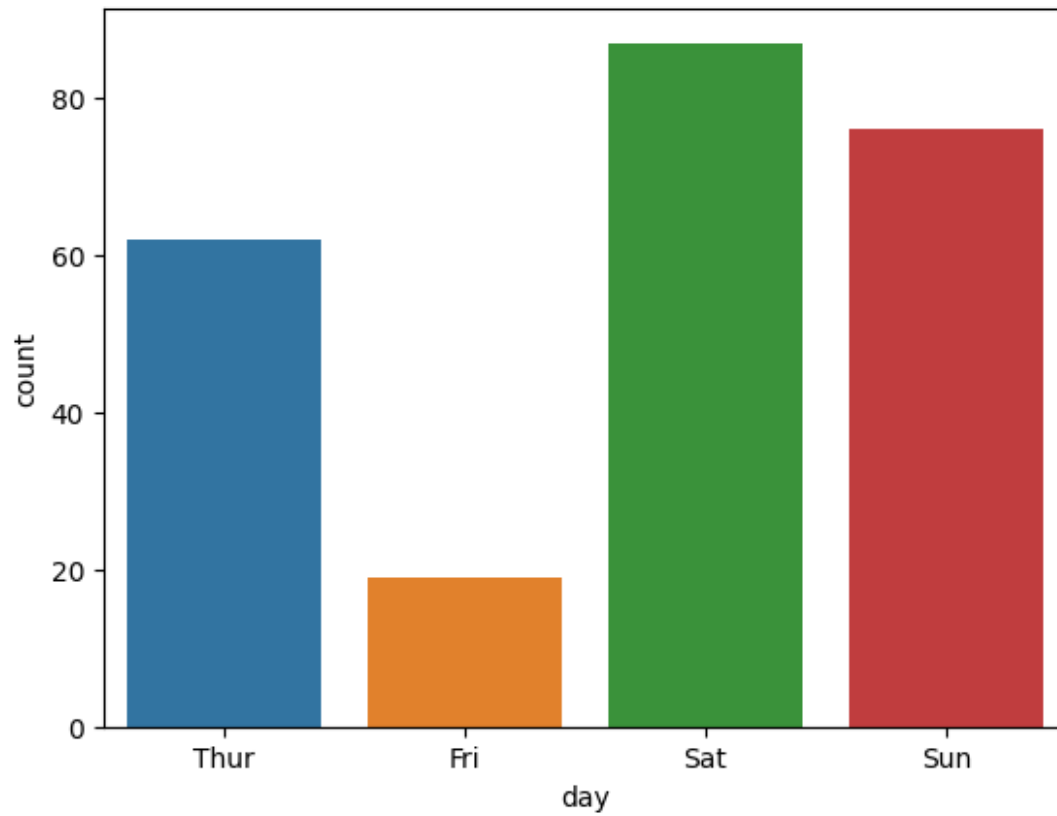


```
sns.boxplot(tips.tip)
```

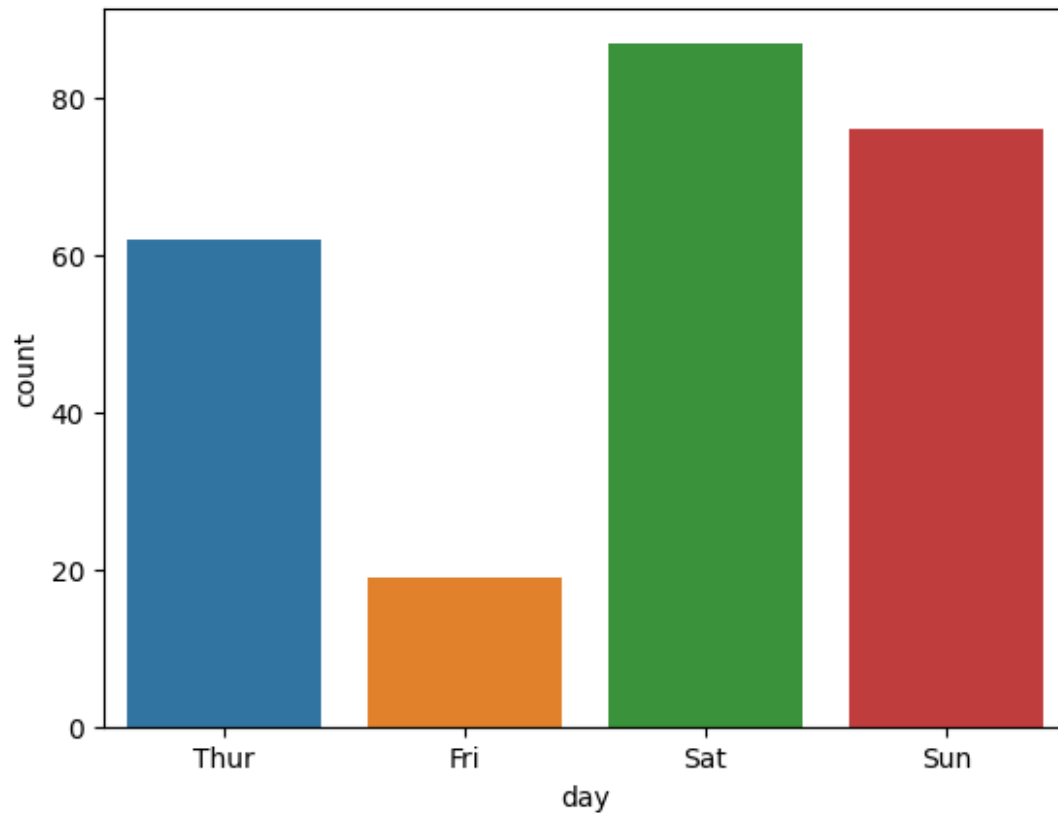
```
<AxesSubplot:>
```



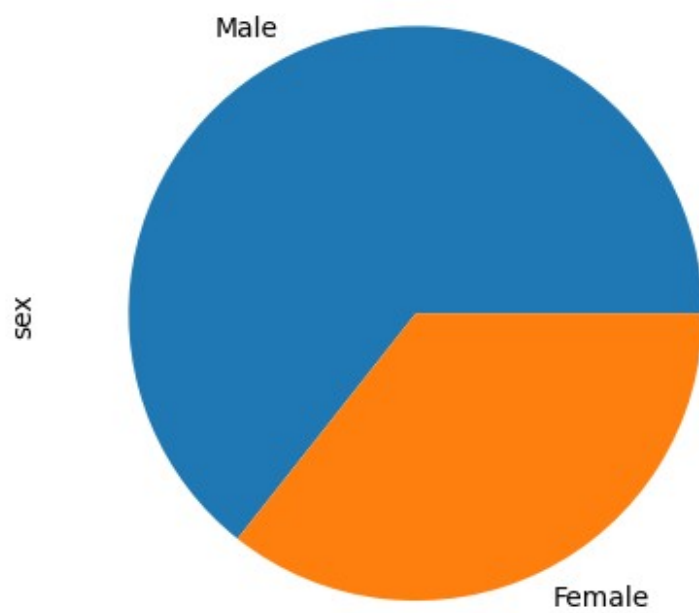
```
sns.countplot(x='day', data=tips)  
<AxesSubplot:xlabel='day', ylabel='count'>
```



```
sns.countplot(x='day', data=tips)  
<AxesSubplot:xlabel='day', ylabel='count'>
```

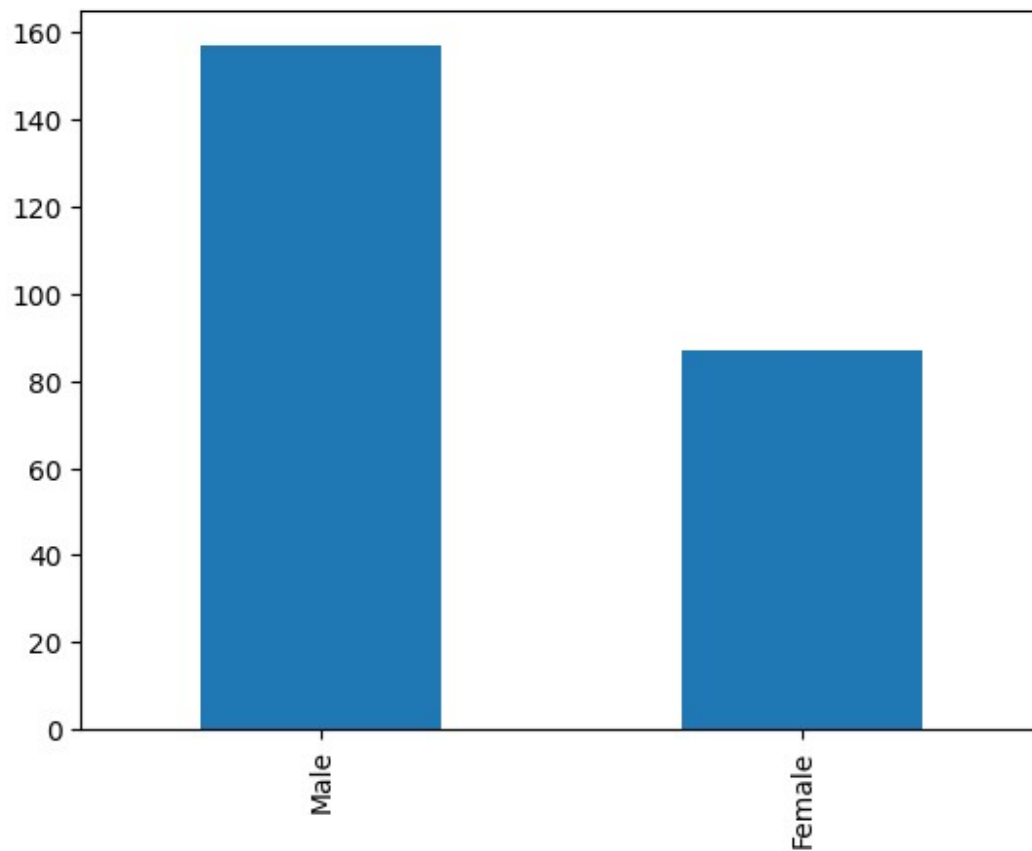


```
tips.sex.value_counts().plot(kind='pie')  
<AxesSubplot:ylabel='sex'>
```



```
tips.sex.value_counts().plot(kind='bar')
```

```
<AxesSubplot:>
```



```
sns.countplot(x='day', data=tips[tips['time'] == 'Dinner'])  
<AxesSubplot:xlabel='day', ylabel='count'>
```

