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

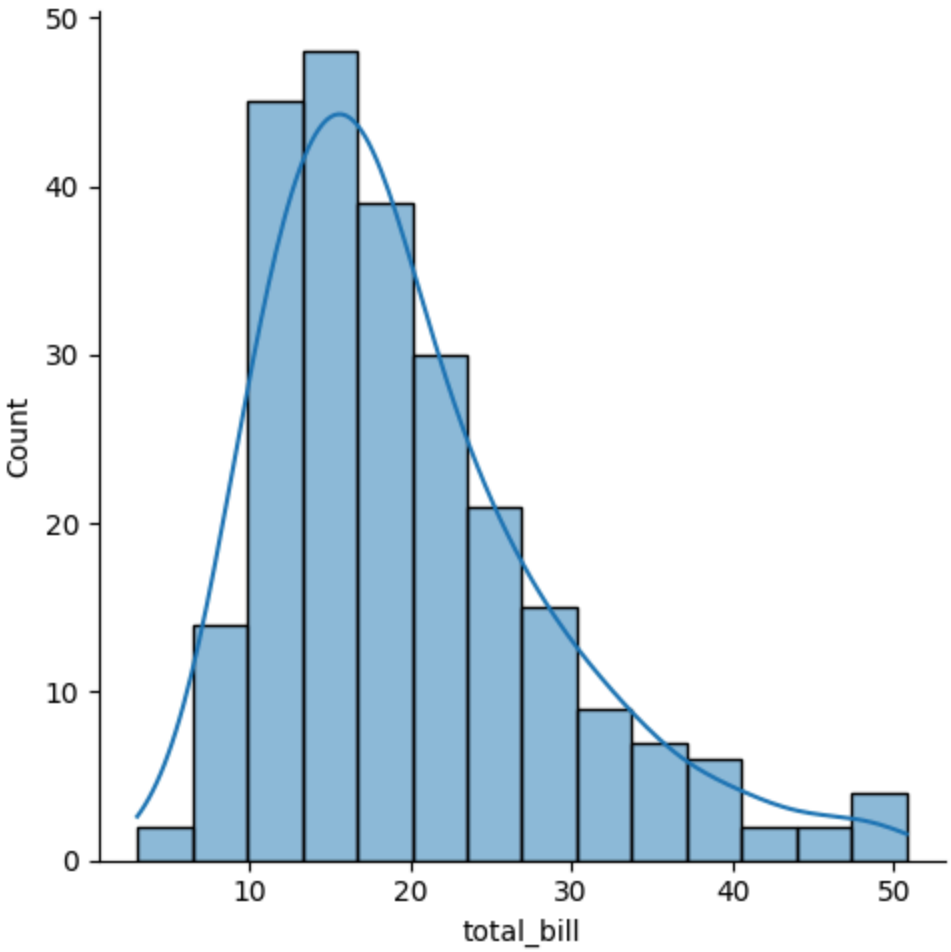
In [2]:
```
tips = sns.load_dataset('tips')
tips.head()
```

Out[2]:

	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

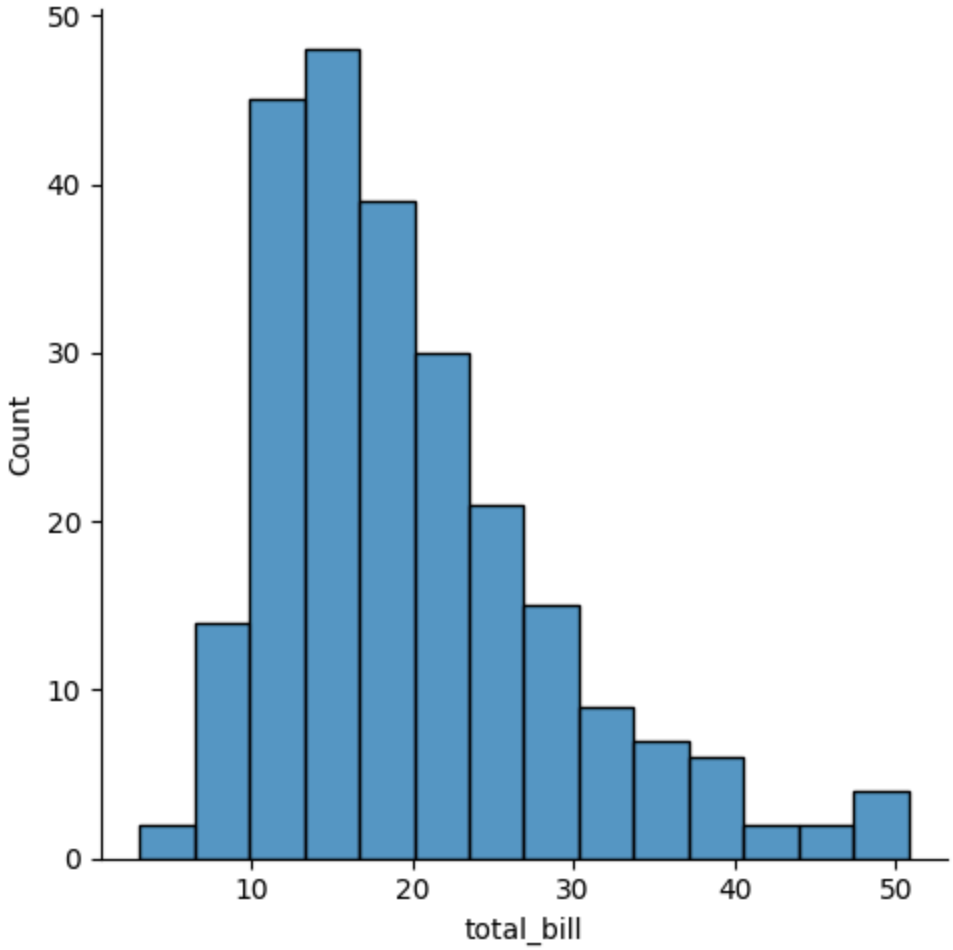
In [3]:
```
sns.displot(tips['total_bill'], kde=True)
```

Out[3]:
```
<seaborn.axisgrid.FacetGrid at 0x20cbfd72a80>
```



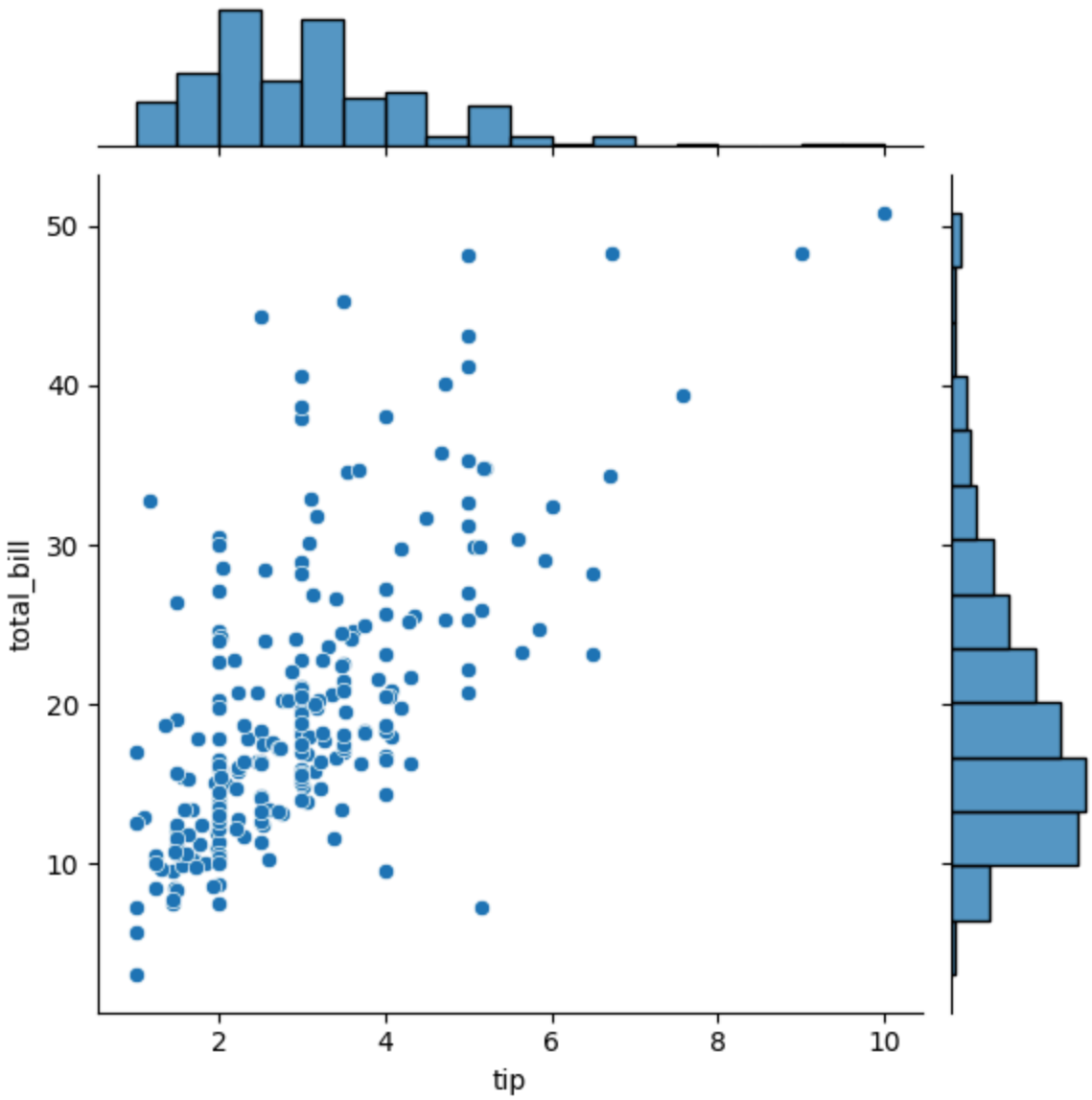
In [4]:
```
sns.displot(tips['total_bill'], kde=False)
```

Out[4]:
```
<seaborn.axisgrid.FacetGrid at 0x20cbfec1f10>
```



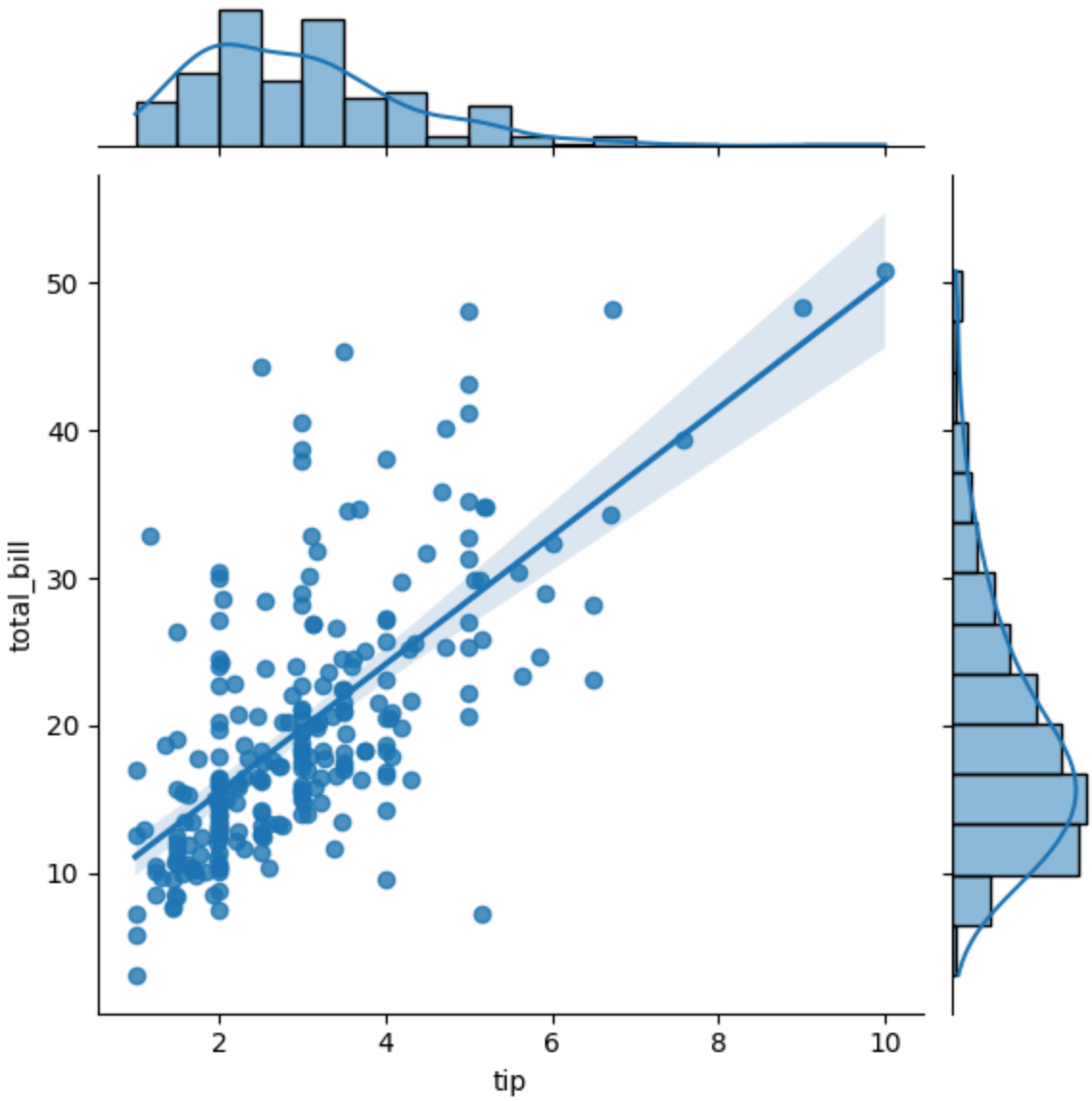
In [5]:
```
sns.jointplot(x=tips.tip,y=tips.total_bill)
```

Out[5]:
```
<seaborn.axisgrid.JointGrid at 0x20cc31706e0>
```



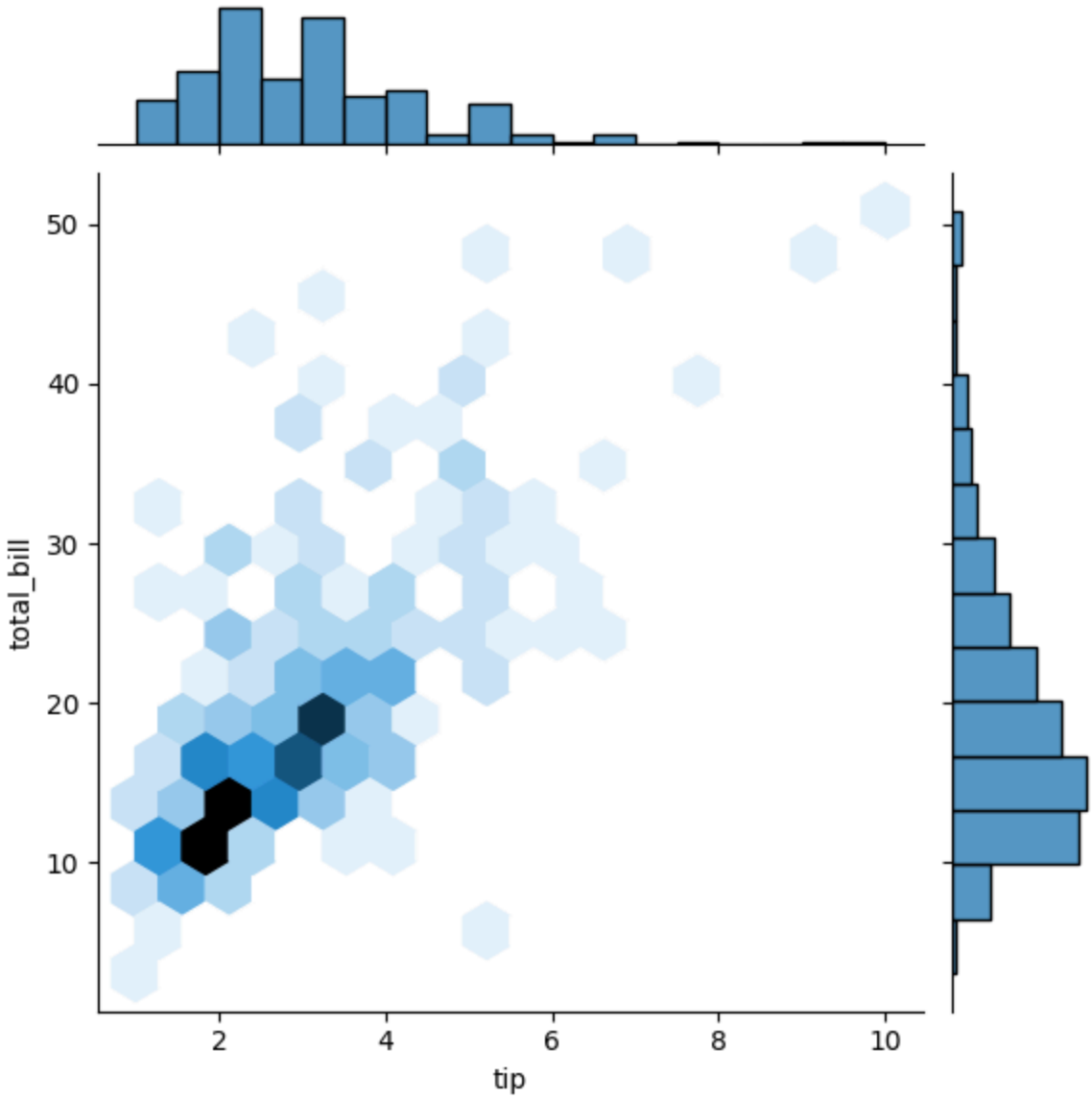
In [6]:
```
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="reg")
```

Out[6]: <seaborn.axisgrid.JointGrid at 0x20cc31b70b0>



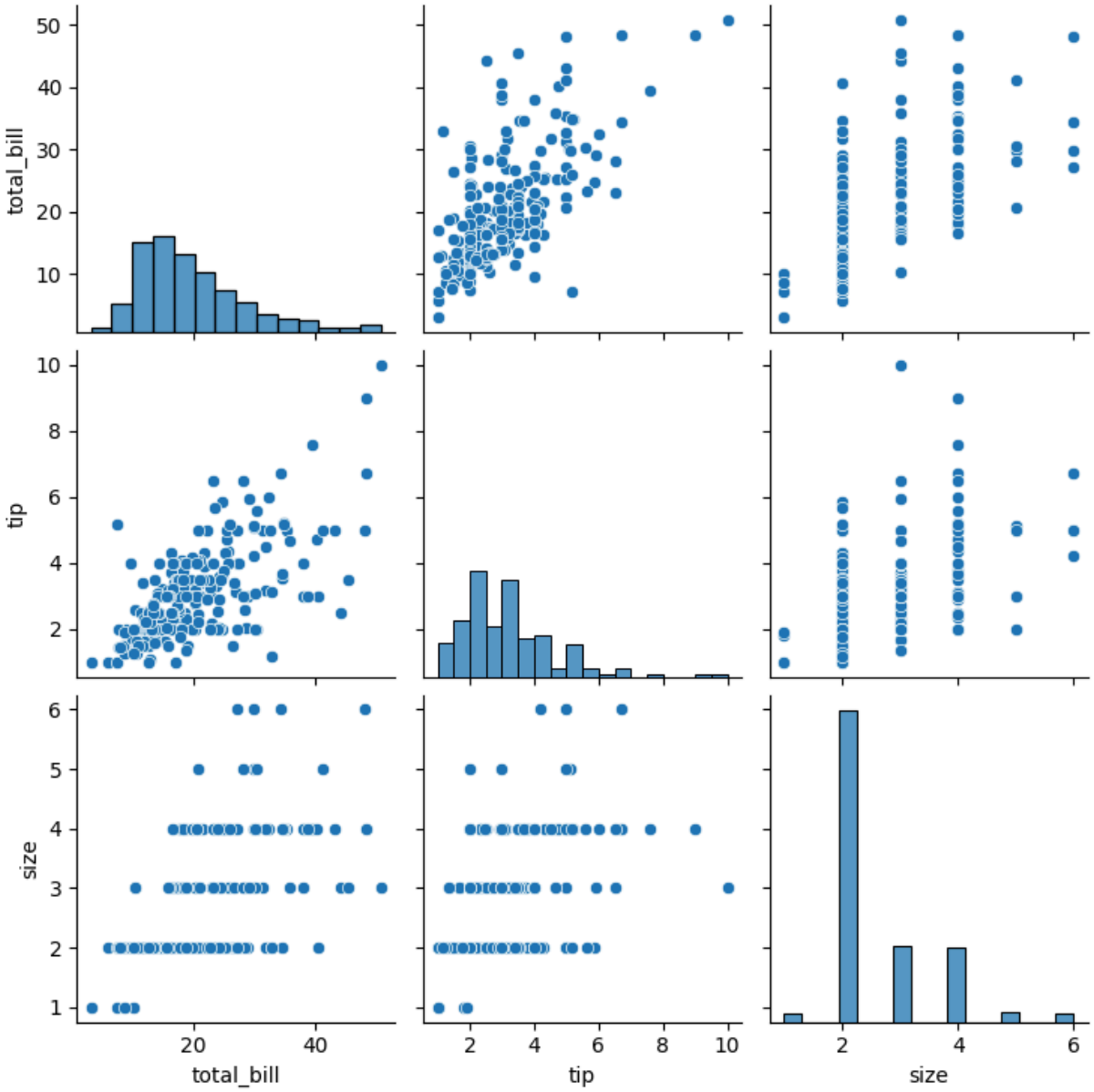
In [7]:
```
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="hex")
```

Out[7]: <seaborn.axisgrid.JointGrid at 0x20cc31318e0>



In [8]:
```
sns.pairplot(tips)
```

Out[8]: <seaborn.axisgrid.PairGrid at 0x20cc54054f0>

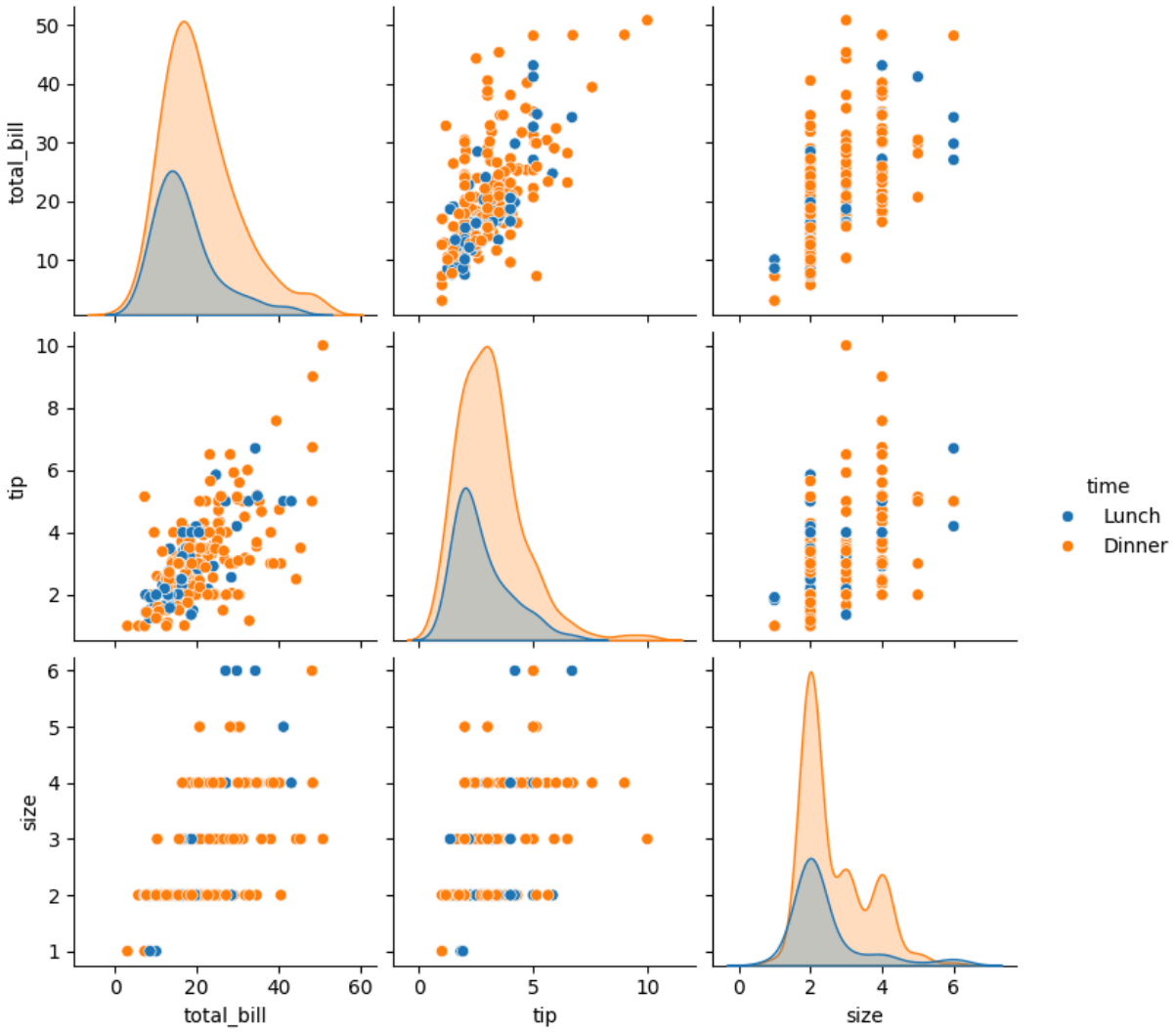


In [9]:
```
tips.time.value_counts()
```

Out[9]:
```
time
Dinner    176
Lunch      68
Name: count, dtype: int64
```

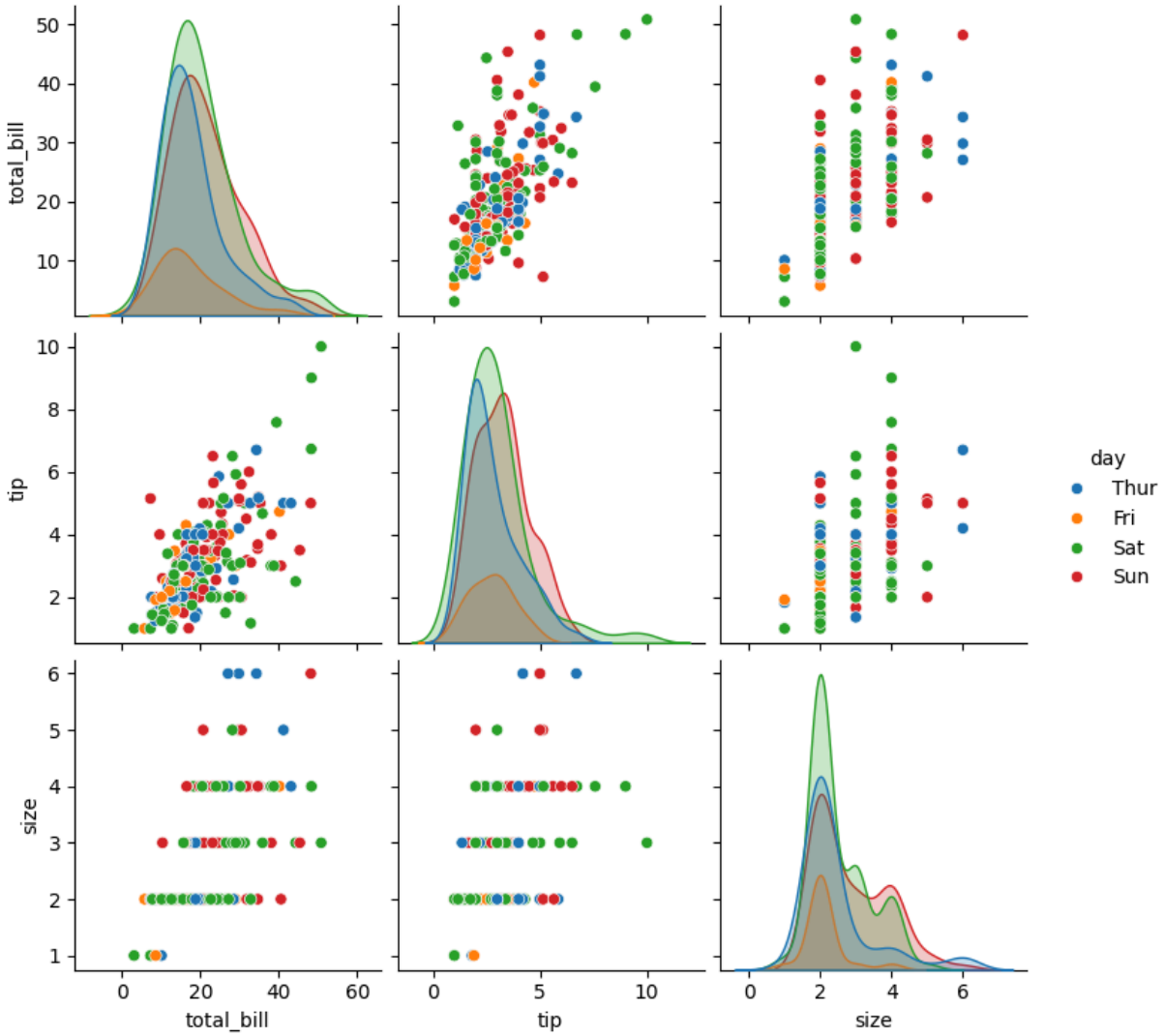
In [10]:
```
sns.pairplot(tips,hue='time')
```

Out[10]:
```
<seaborn.axisgrid.PairGrid at 0x20cc10ac230>
```



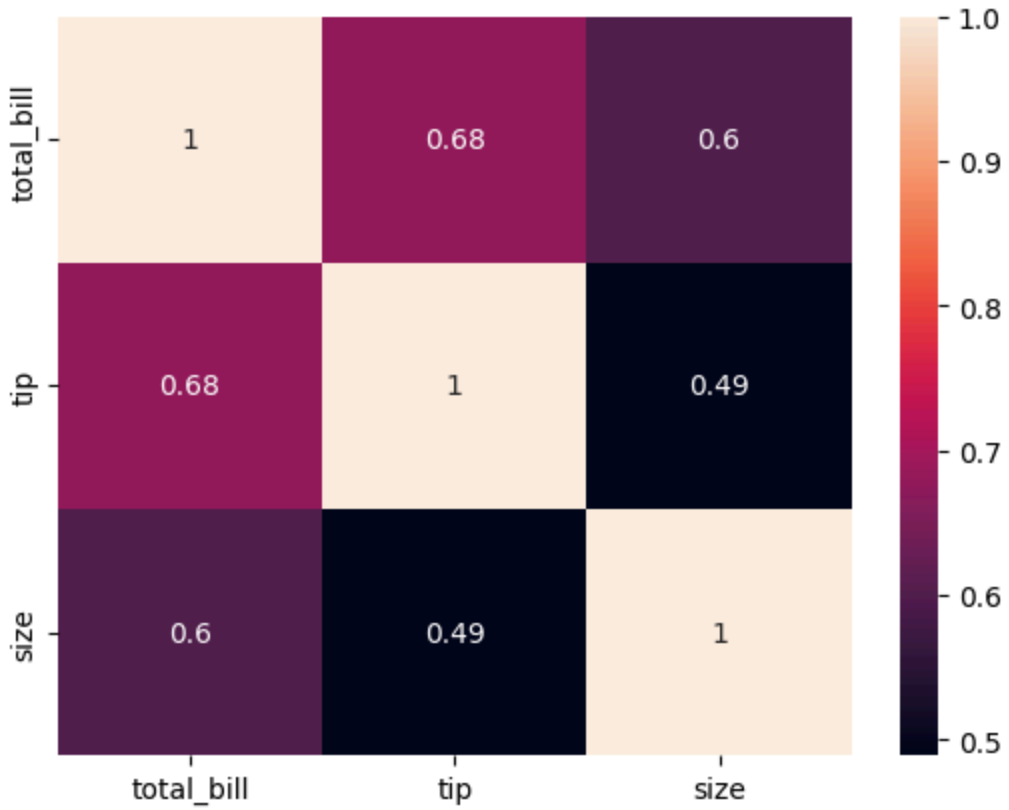
In [11]:
```
sns.pairplot(tips,hue='day')
```

Out[11]:
```
<seaborn.axisgrid.PairGrid at 0x20cc10e2c00>
```



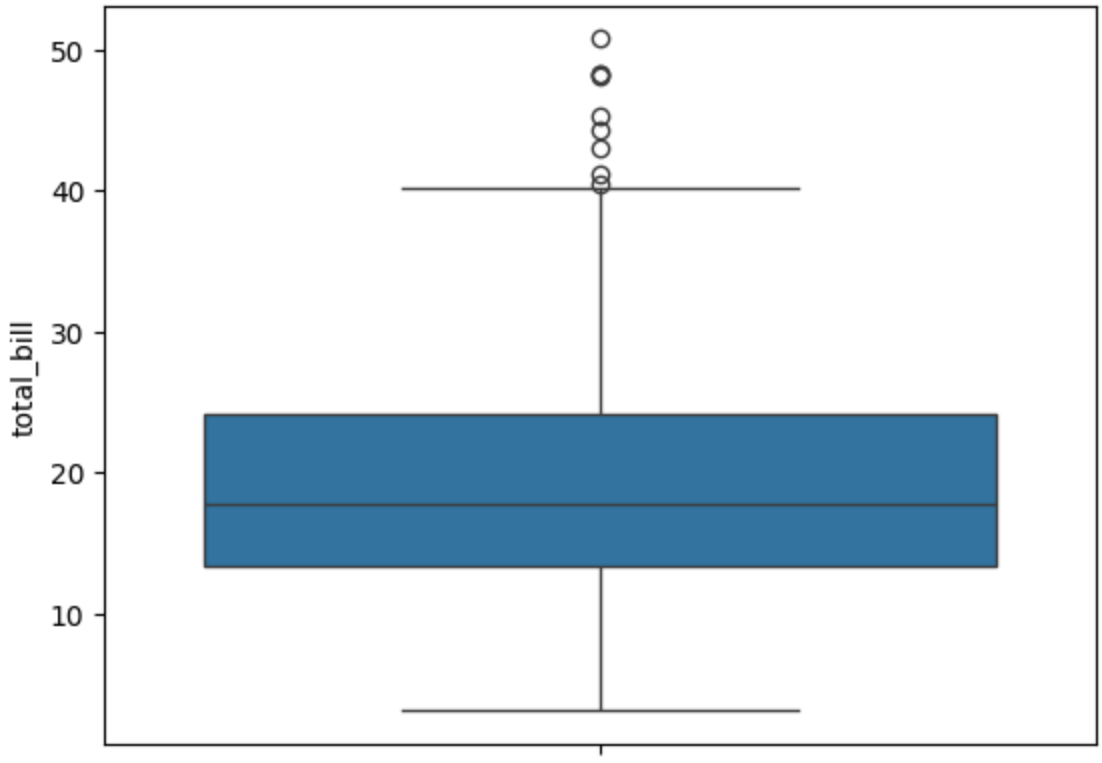
In [12]:
```
sns.heatmap(tips.corr(numeric_only=True),annot=True)
```

Out[12]: <Axes: >



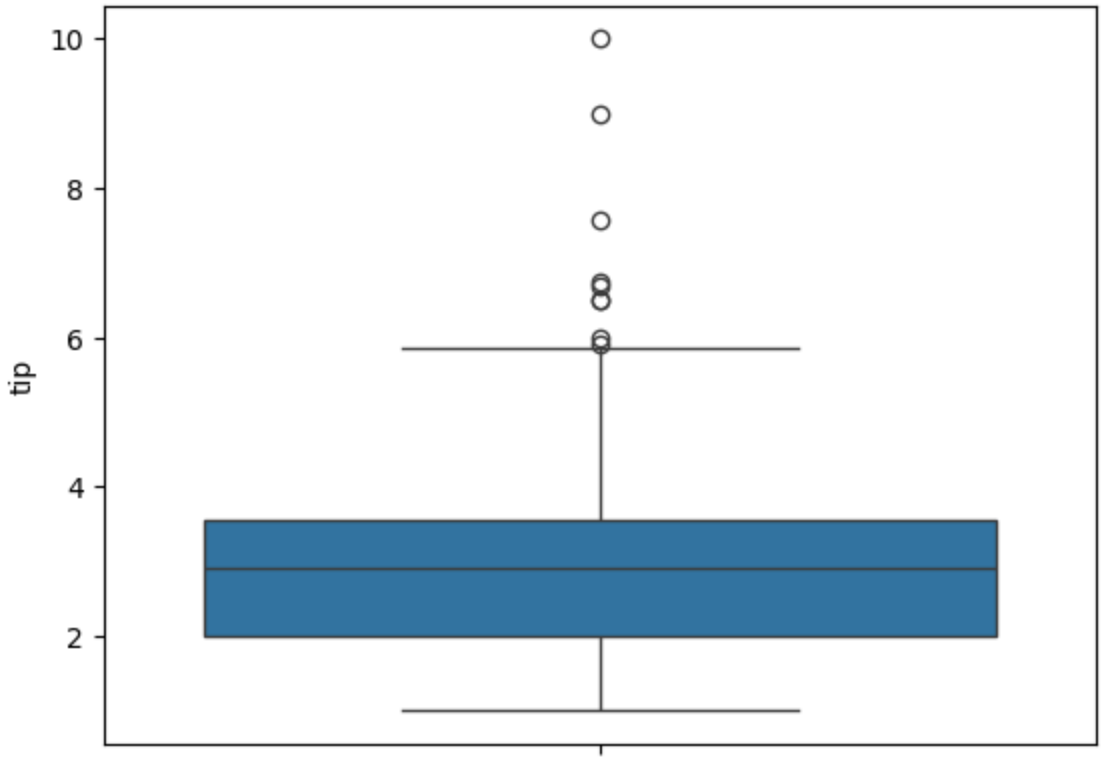
In [13]:
```
sns.boxplot(tips.total_bill)
```

Out[13]: <Axes: ylabel='total_bill'>



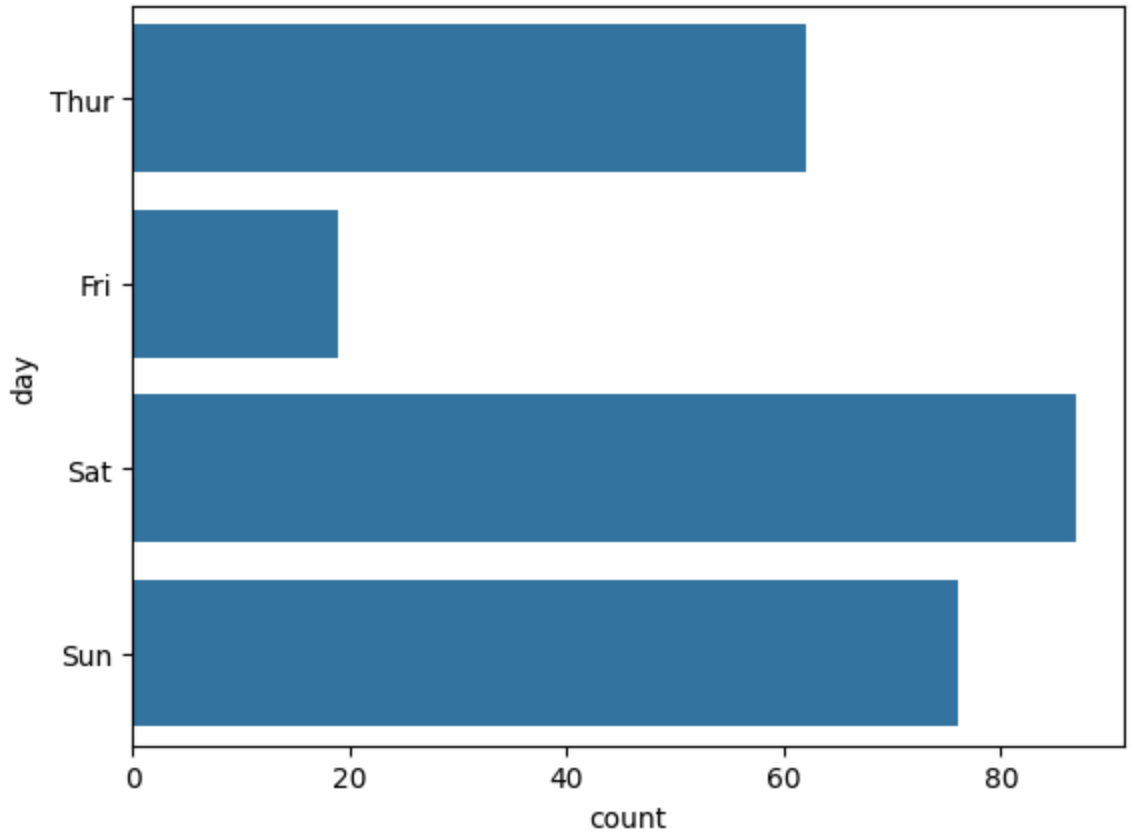
In [14]:
```
sns.boxplot(tips.tip)
```

Out[14]: <Axes: ylabel='tip'>



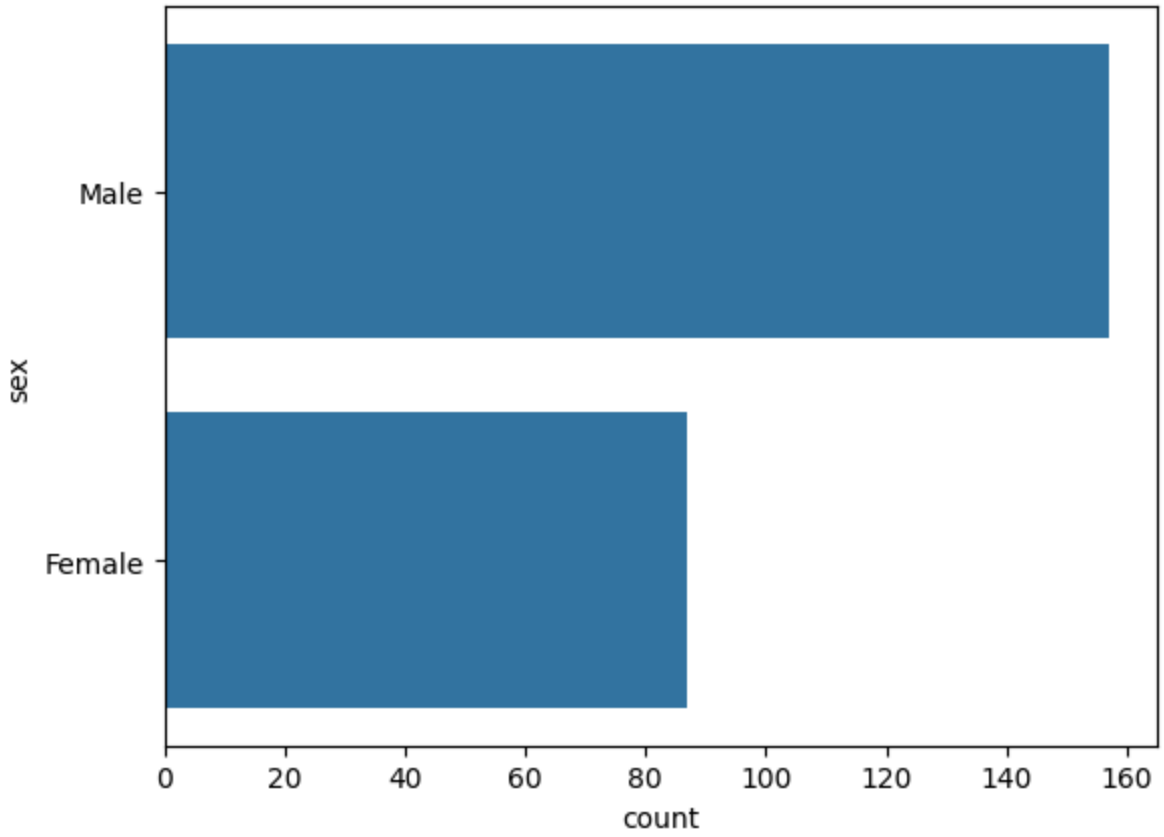
In [15]:
```
sns.countplot(tips['day'])
```

Out[15]: <Axes: xlabel='count', ylabel='day'>



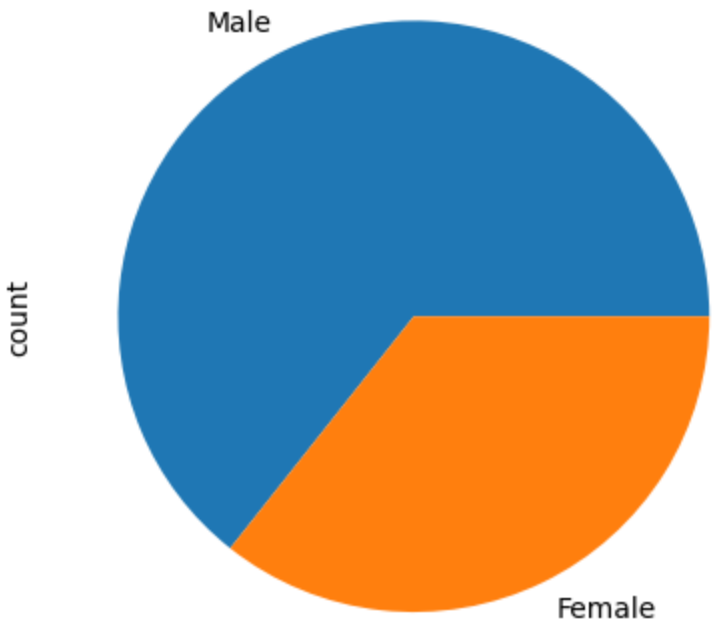
In [16]:
```
sns.countplot(tips.sex)
```

Out[16]: <Axes: xlabel='count', ylabel='sex'>



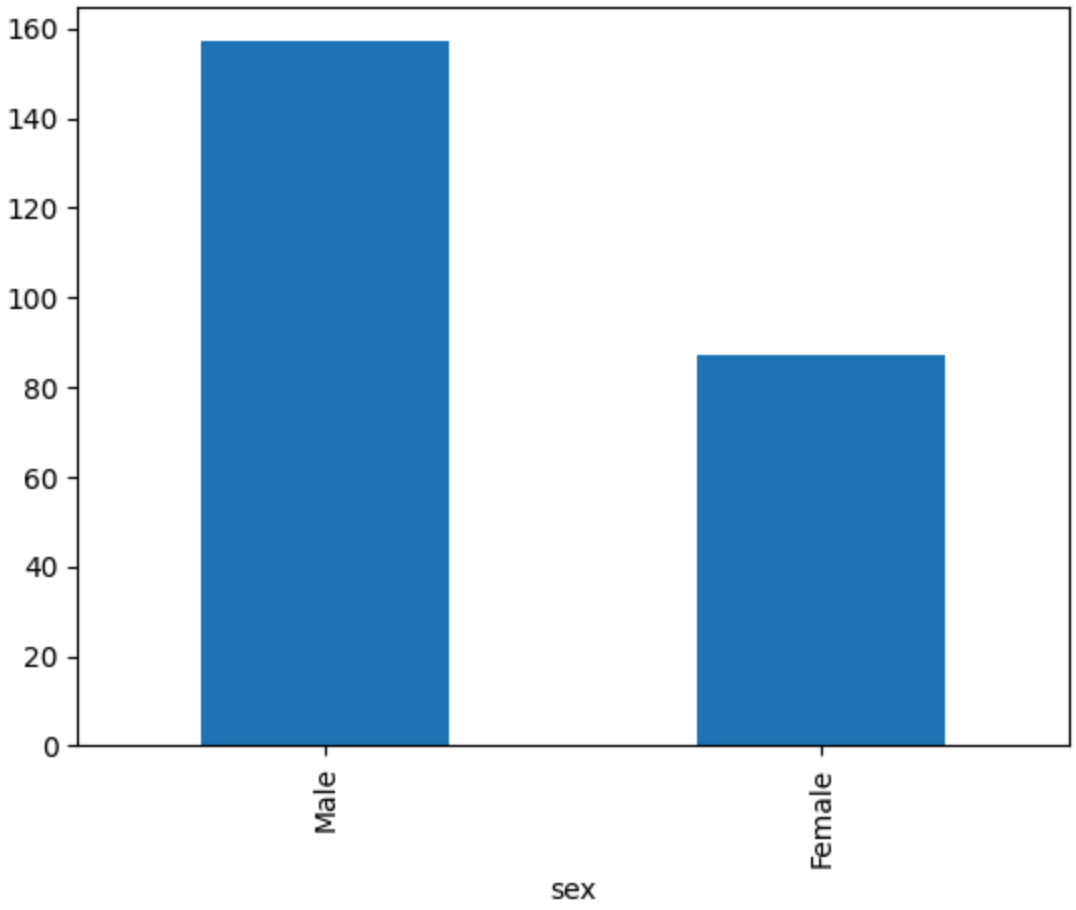
In [17]:
```
tips.sex.value_counts().plot(kind='pie')
```

Out[17]: <Axes: ylabel='count'>



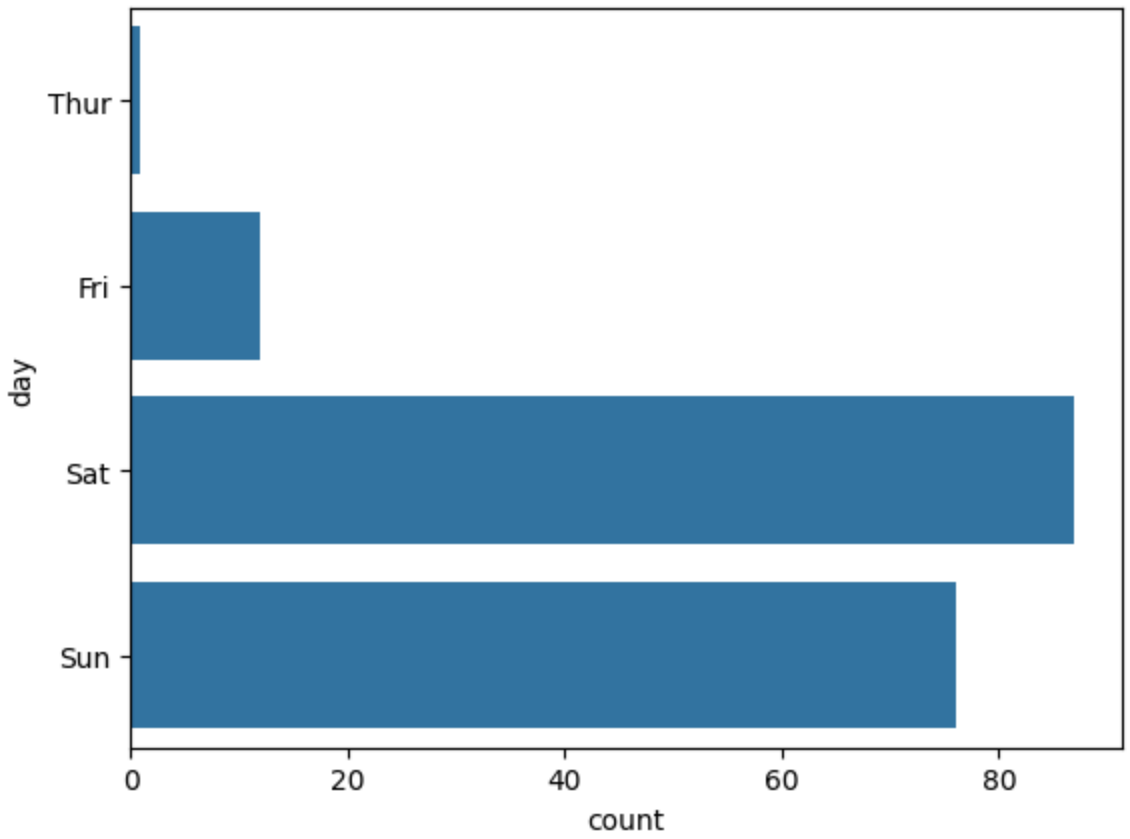
In [18]:
```
tips.sex.value_counts().plot(kind='bar')
```

Out[18]: <Axes: xlabel='sex'>



In [19]:
```
sns.countplot(tips[tips.time=='Dinner']['day'])
```

Out[19]: <Axes: xlabel='count', ylabel='day'>



In [ ]: