```
In [26]: import numpy as np
         import pandas as pd
         import matplotlib.pyplot as plt
         %matplotlib inline
         import seaborn as sns
```

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

```
In [27]: dd.info()
```
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 244 entries, 0 to 243
Data columns (total 7 columns):
 #   Column      Non-Null Count  Dtype
---  ------      --------------  -----
 0   total_bill  244 non-null    float64
 1   tip         244 non-null    float64
 2   sex         244 non-null    category
 3   smoker      244 non-null    category
 4   day         244 non-null    category
 5   time        244 non-null    category
 6   size        244 non-null    int64
dtypes: category(4), float64(2), int64(1)
memory usage: 7.4 KB
```

```
In [11]: dd.head()
```
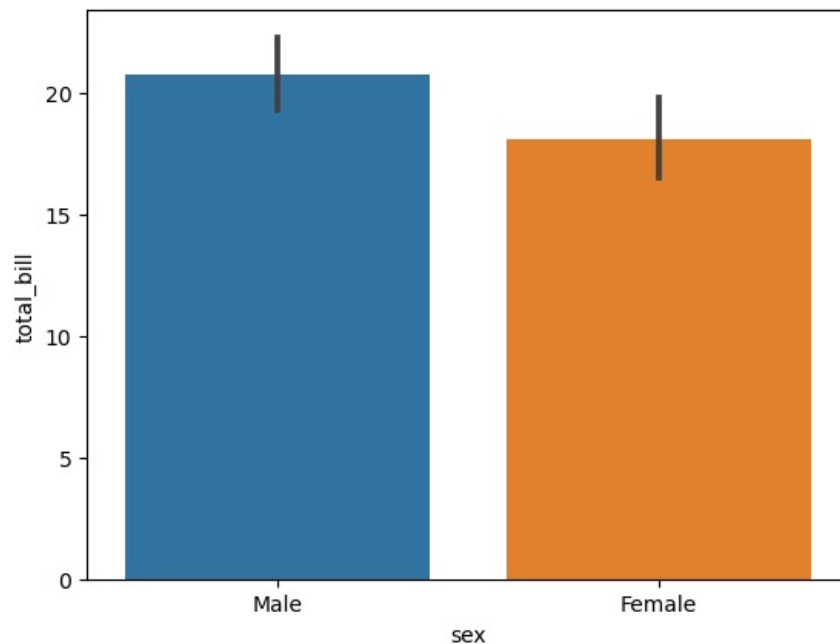
Out[11]:

	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 [29]: dd.shape
```
```
Out[29]: (244, 7)
```

```
In [12]: sns.barplot(x='sex',y='total_bill',data=dd)
```
```
Out[12]: <Axes: xlabel='sex', ylabel='total_bill'>
```



```
In [14]: sns.distplot(dd['total_bill'])
```

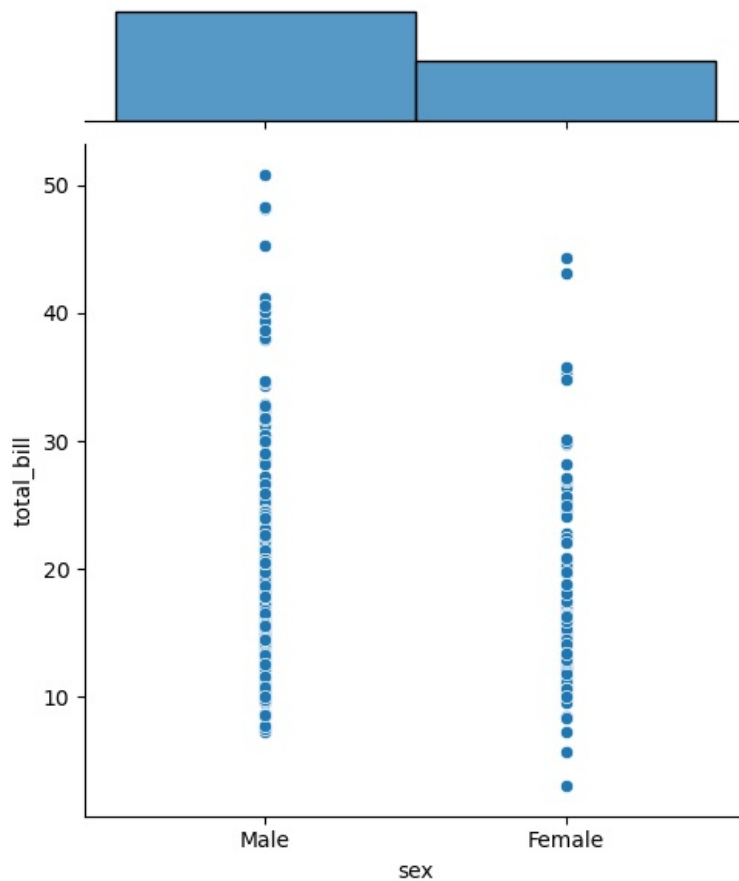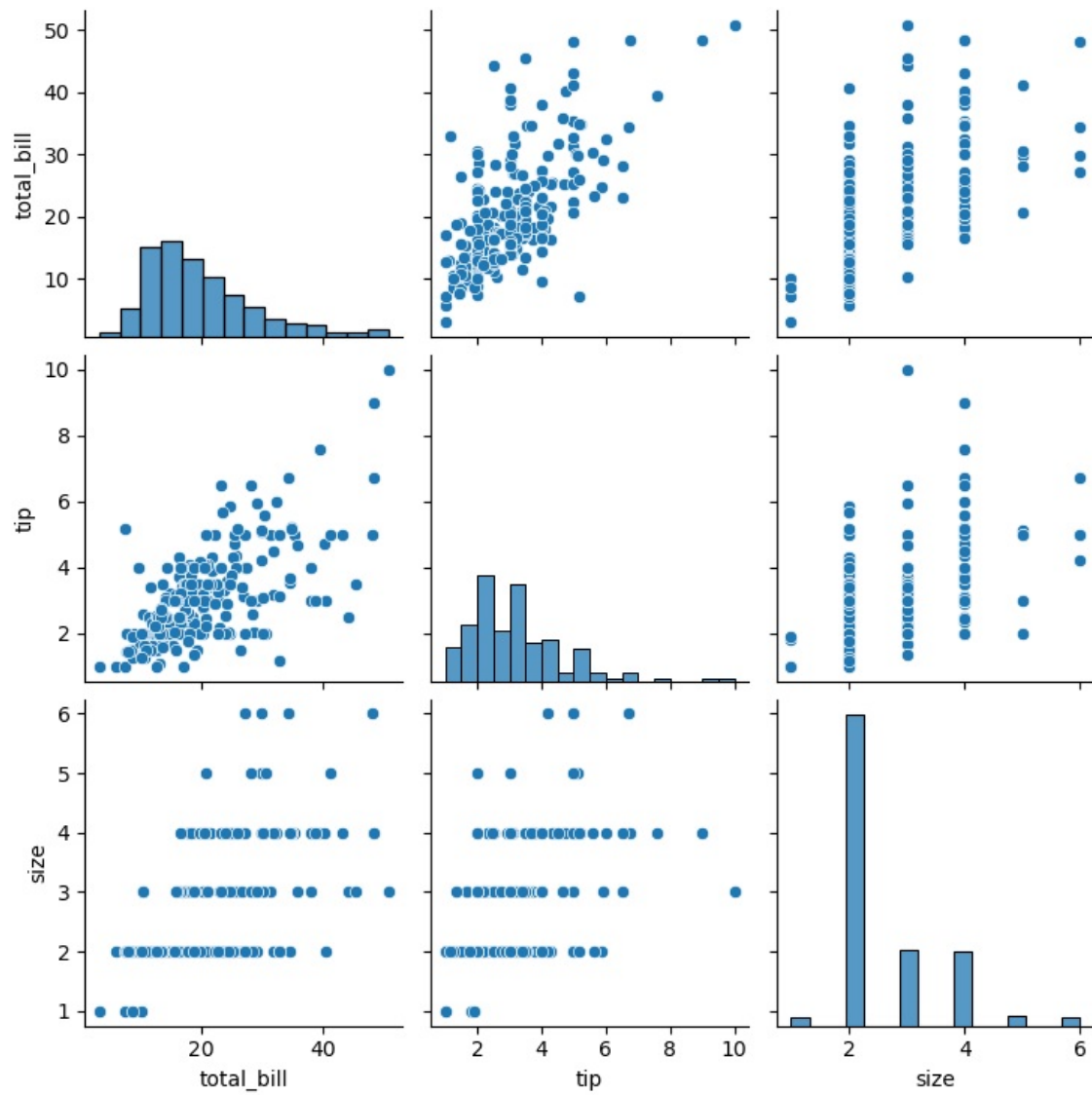Out[14]: `<Axes: xlabel='total_bill', ylabel='Density'>`
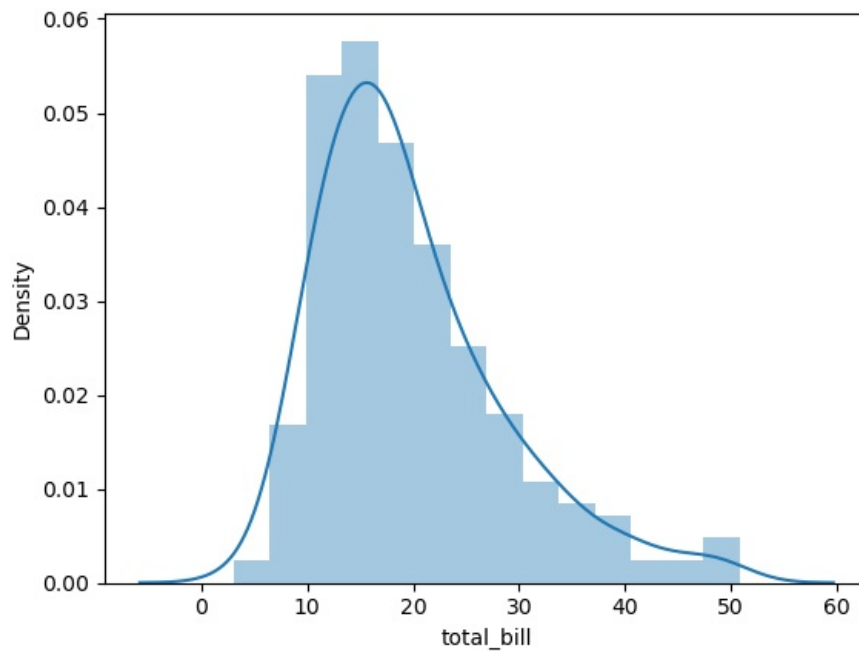
In [16]:
```python
sns.jointplot(x='sex',y='total_bill',data=dd)
```
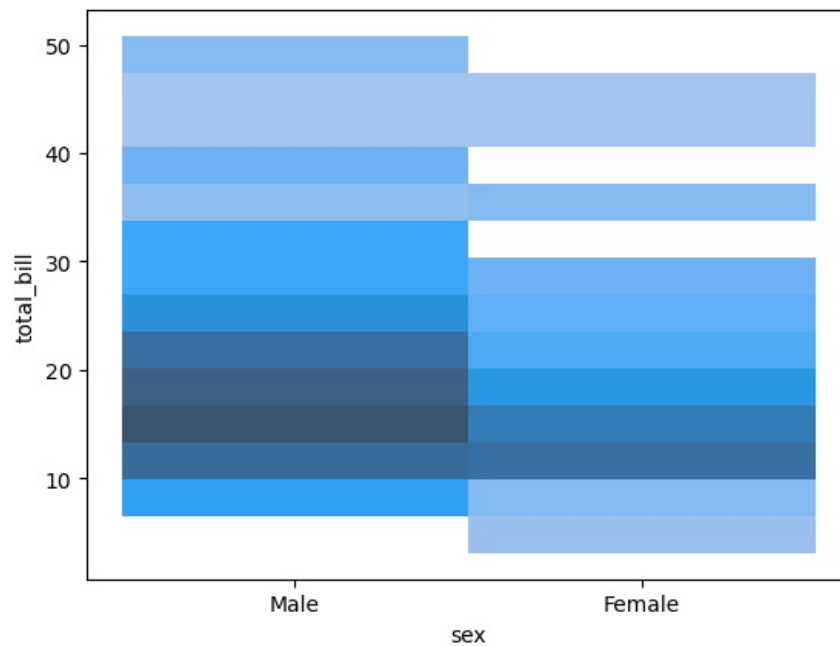
Out[16]: `<seaborn.axisgrid.JointGrid at 0x23e941dae90>`

In [17]:
```python
sns.pairplot(dd)
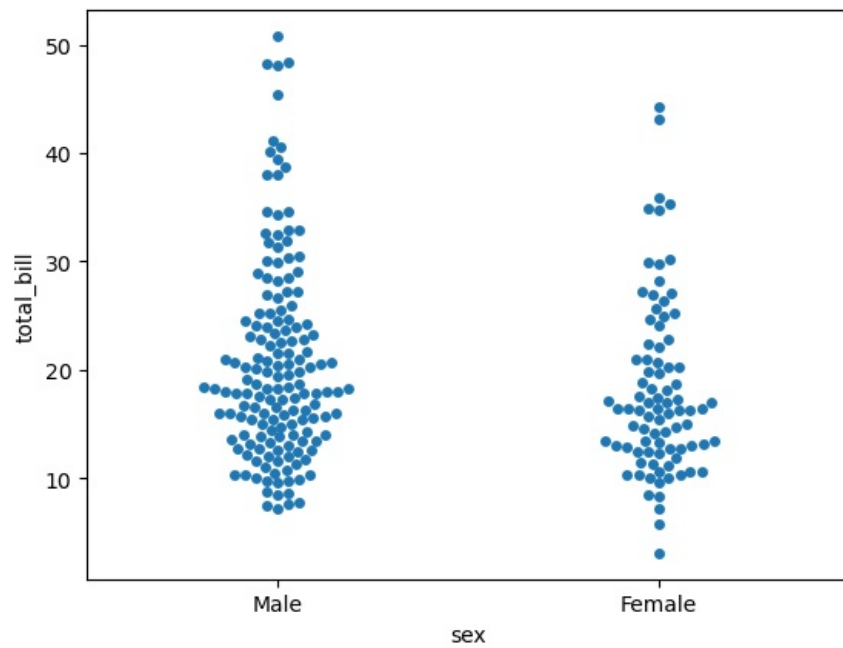```

Out[17]:  `<seaborn.axisgrid.PairGrid at 0x23e942922c0>`

In [22]: ```python
sns.histplot(x='sex',y='total_bill',data=dd)
```

Out[22]: `<Axes: xlabel='sex', ylabel='total_bill'>`

In [23]: ```python
sns.swarmplot(x='sex',y='total_bill',data=dd)
```
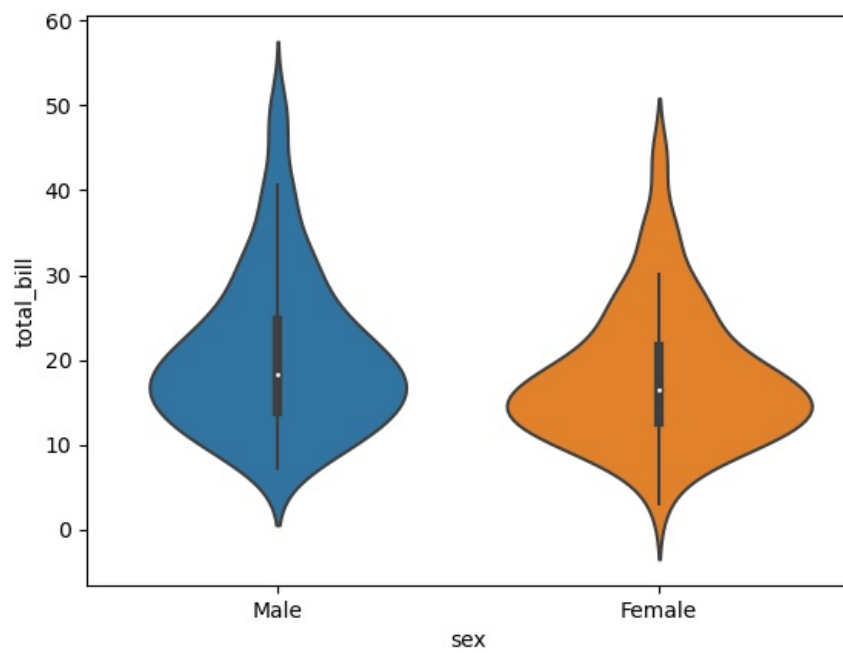
Out[23]: `<Axes: xlabel='sex', ylabel='total_bill'>`

```
sns.violinplot(x='sex',y='total_bill',data=dd)
```

Out[25]: <Axes: xlabel='sex', ylabel='total_bill'>

In [ ]:

Loading [MathJax]/jax/output/CommonHTML/fonts/TeX/fontdata.js