In [1]: 
```python
import seaborn as sns
df= sns.load_dataset('titanic')
```

In [2]: 
```python
df
```

Out[2]:

| | survived | pclass | sex | age | sibsp | parch | fare | embarked | class | who | adult_male |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 3 | male | 22.0 | 1 | 0 | 7.2500 | S | Third | man | True |
| 1 | 1 | 1 | female | 38.0 | 1 | 0 | 71.2833 | C | First | woman | False |
| 2 | 1 | 3 | female | 26.0 | 0 | 0 | 7.9250 | S | Third | woman | False |
| 3 | 1 | 1 | female | 35.0 | 1 | 0 | 53.1000 | S | First | woman | False |
| 4 | 0 | 3 | male | 35.0 | 0 | 0 | 8.0500 | S | Third | man | True |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 886 | 0 | 2 | male | 27.0 | 0 | 0 | 13.0000 | S | Second | man | True |
| 887 | 1 | 1 | female | 19.0 | 0 | 0 | 30.0000 | S | First | woman | False |
| 888 | 0 | 3 | female | NaN | 1 | 2 | 23.4500 | S | Third | woman | False |
| 889 | 1 | 1 | male | 26.0 | 0 | 0 | 30.0000 | C | First | man | True |
| 890 | 0 | 3 | male | 32.0 | 0 | 0 | 7.7500 | Q | Third | man | True |

891 rows × 15 columns

In [3]: 
```python
df=df[['survived','class','sex','age','fare']]
```

In [4]: 
```python
df
```

Out[4]:

| | survived | class | sex | age | fare |
|---|---|---|---|---|---|
| 0 | 0 | Third | male | 22.0 | 7.2500 |
| 1 | 1 | First | female | 38.0 | 71.2833 |
| 2 | 1 | Third | female | 26.0 | 7.9250 |
| 3 | 1 | First | female | 35.0 | 53.1000 |
| 4 | 0 | Third | male | 35.0 | 8.0500 |
| ... | ... | ... | ... | ... | ... |
| 886 | 0 | Second | male | 27.0 | 13.0000 |
| 887 | 1 | First | female | 19.0 | 30.0000 |
| 888 | 0 | Third | female | NaN | 23.4500 |
| 889 | 1 | First | male | 26.0 | 30.0000 |
| 890 | 0 | Third | male | 32.0 | 7.7500 |

891 rows × 5 columns

In [5]: 
```python
sns.jointplot(x='age',y='fare',data=df)
```

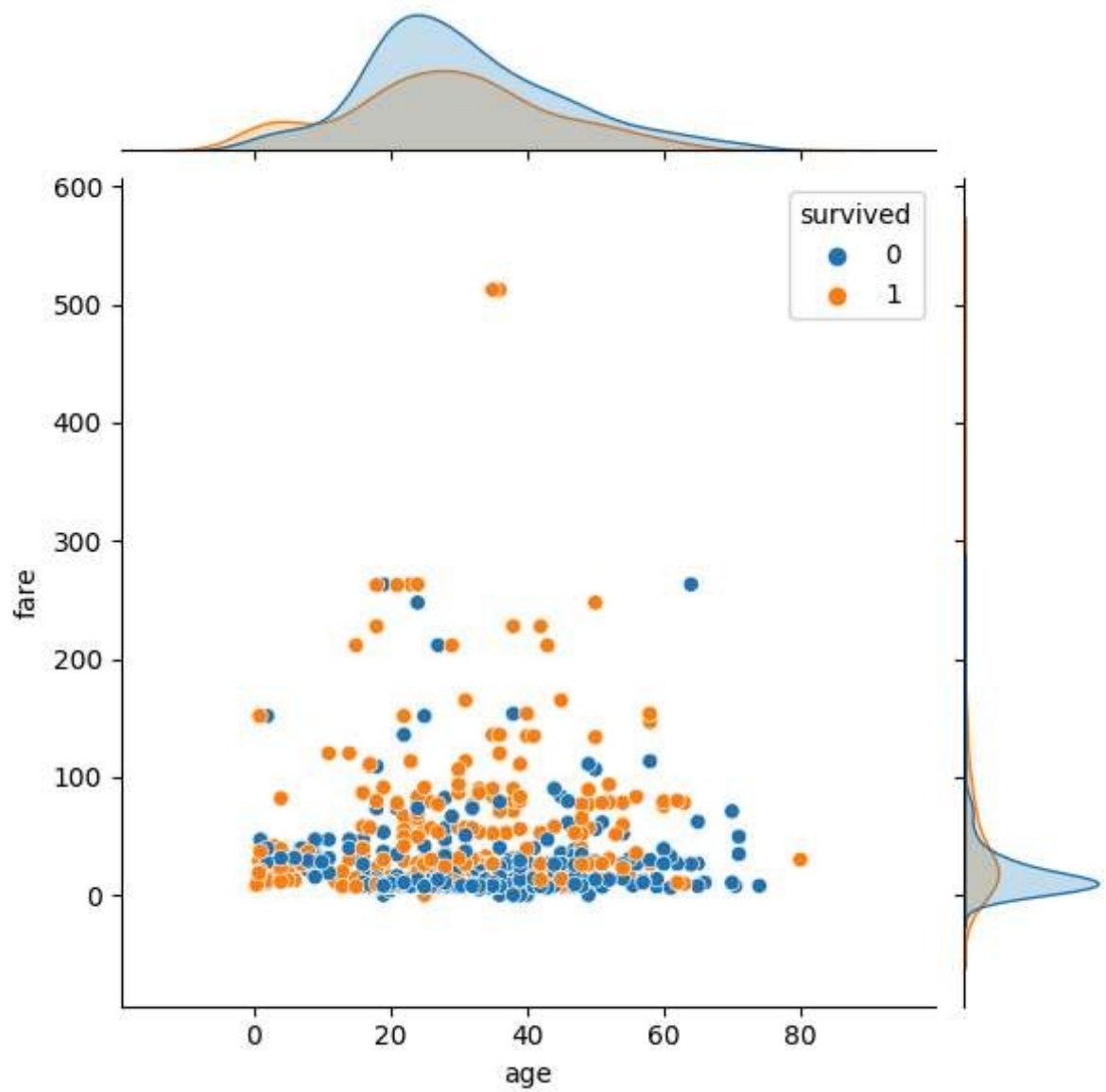Out[5]:    `<seaborn.axisgrid.JointGrid at 0x201ca62dc50>`
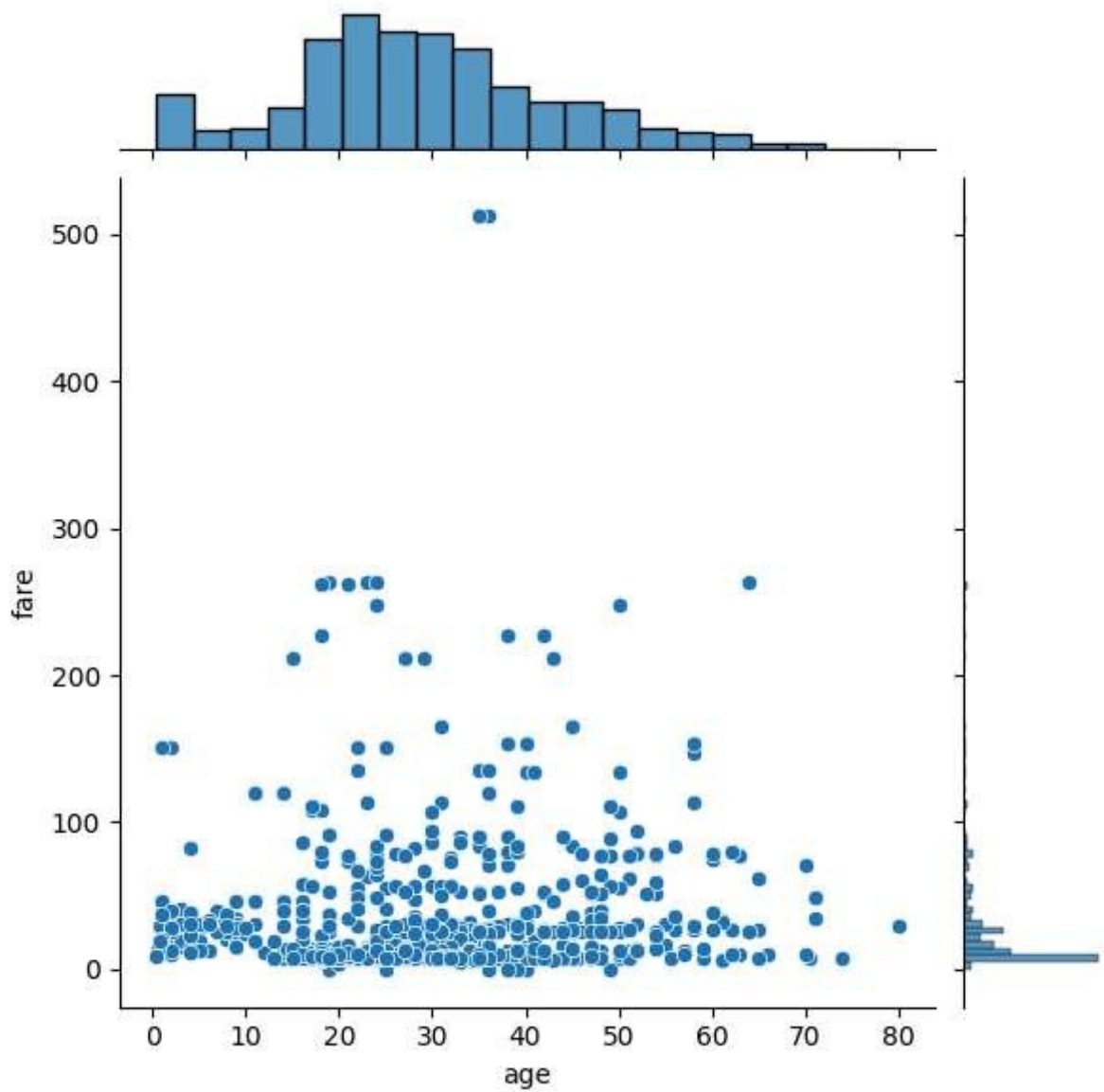


In [6]:    
```python
sns.jointplot(x='age',y='fare',data=df,hue='survived')
```
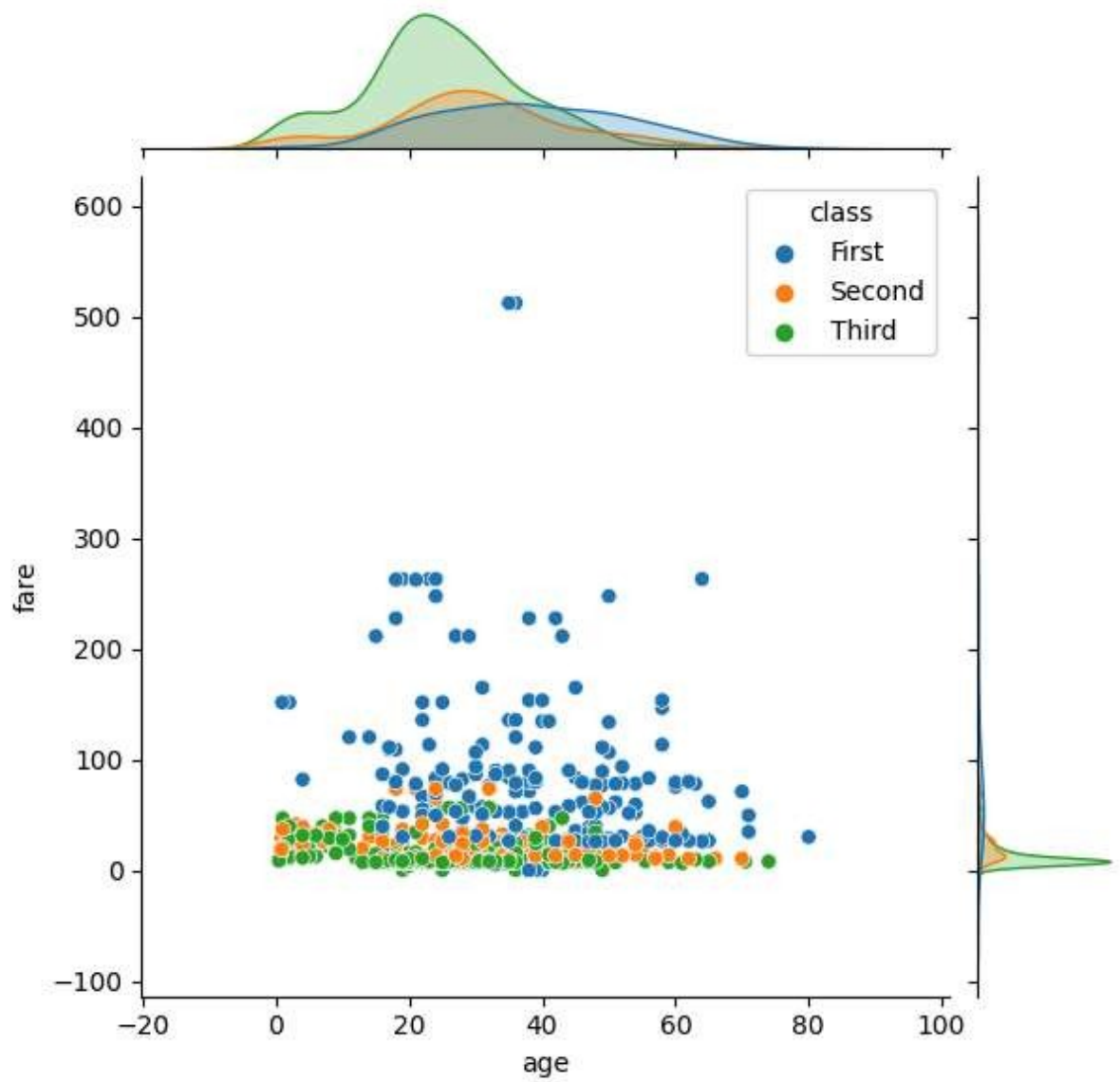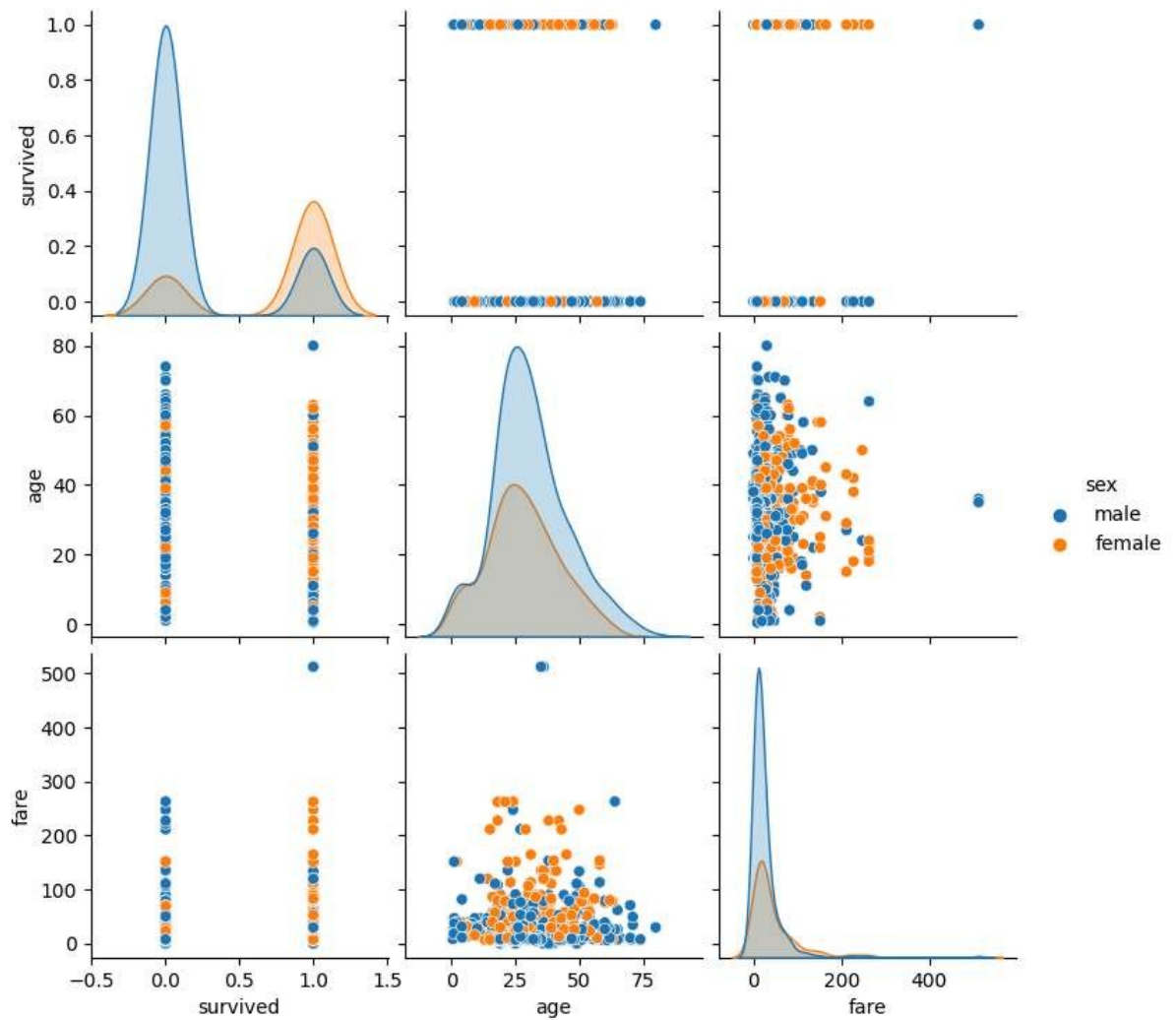
Out[6]:    `<seaborn.axisgrid.JointGrid at 0x201ccb22f10>`

```
In [7]:  sns.jointplot(x='age',y='fare',data=df,hue='class')

Out[7]:  <seaborn.axisgrid.JointGrid at 0x201ccb2df10>
```
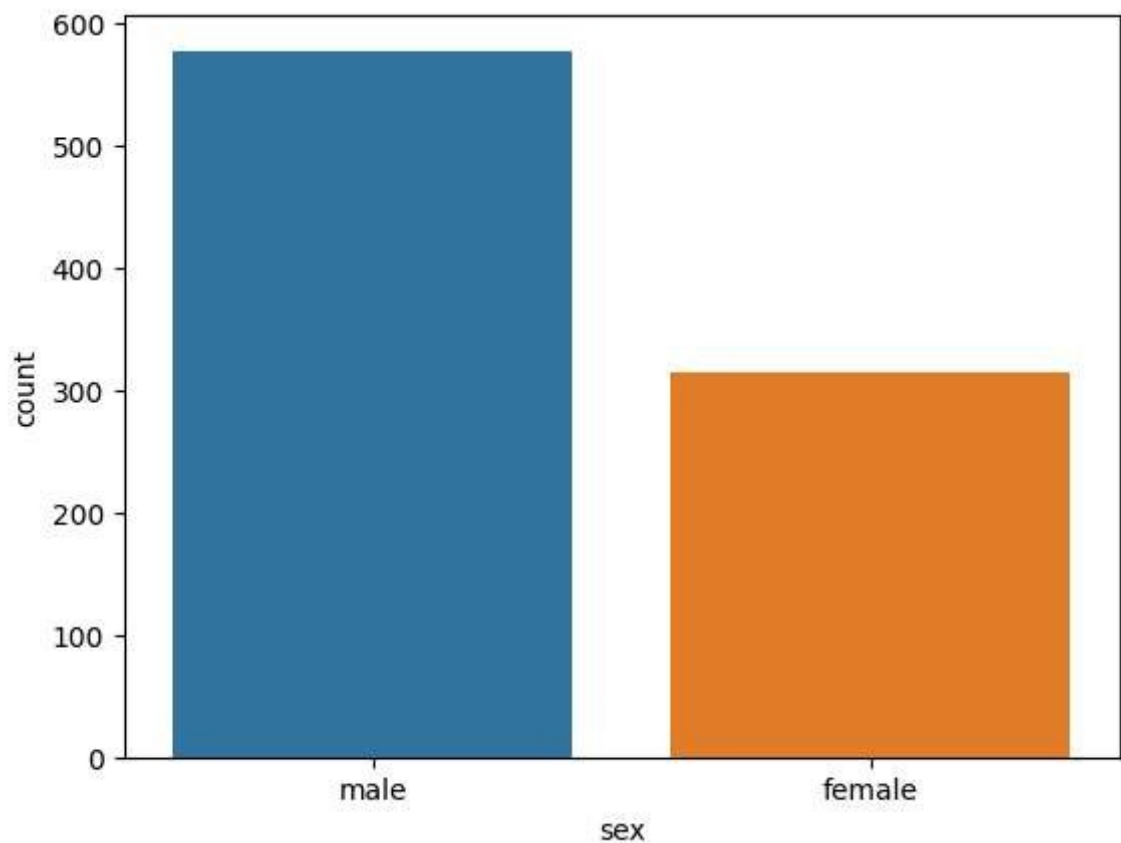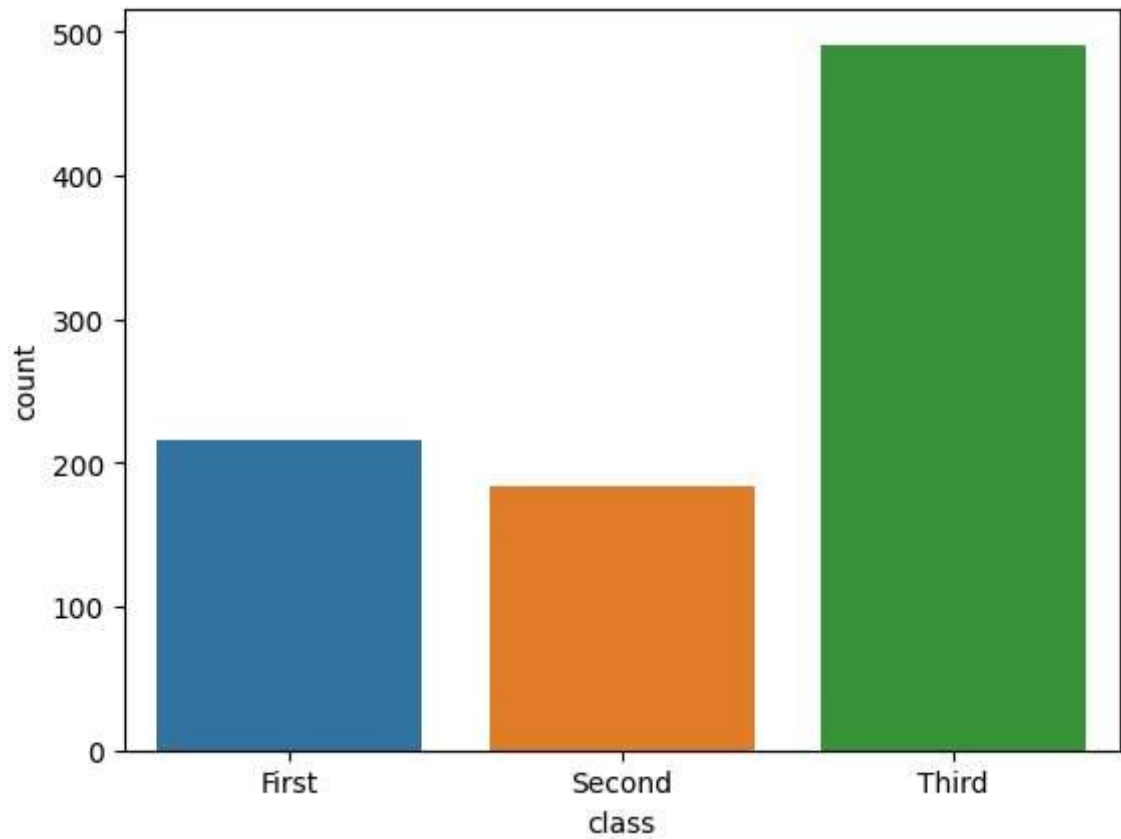
```
In [8]:   sns.pairplot(df,hue='sex')

Out[8]:   <seaborn.axisgrid.PairGrid at 0x201ca62d690>
```

```
In [9]:  sns.countplot(x=df['sex'])
```
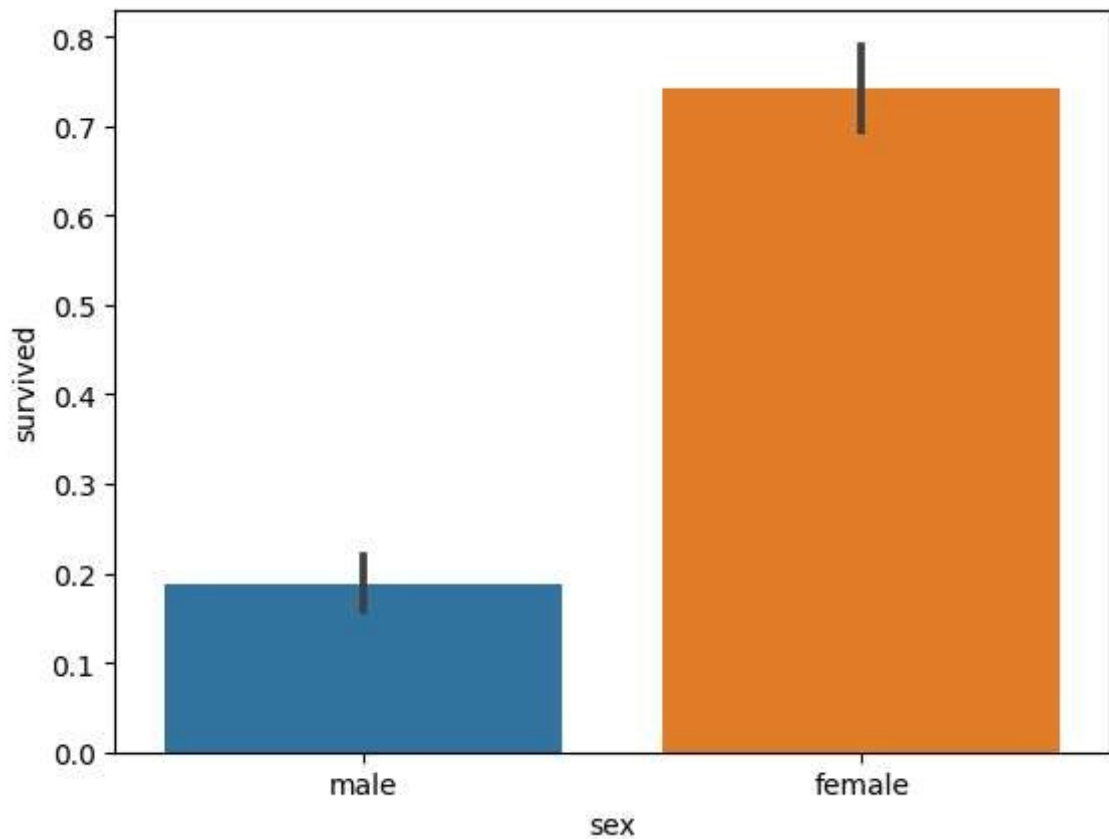
```
Out[9]:  <Axes: xlabel='sex', ylabel='count'>
```
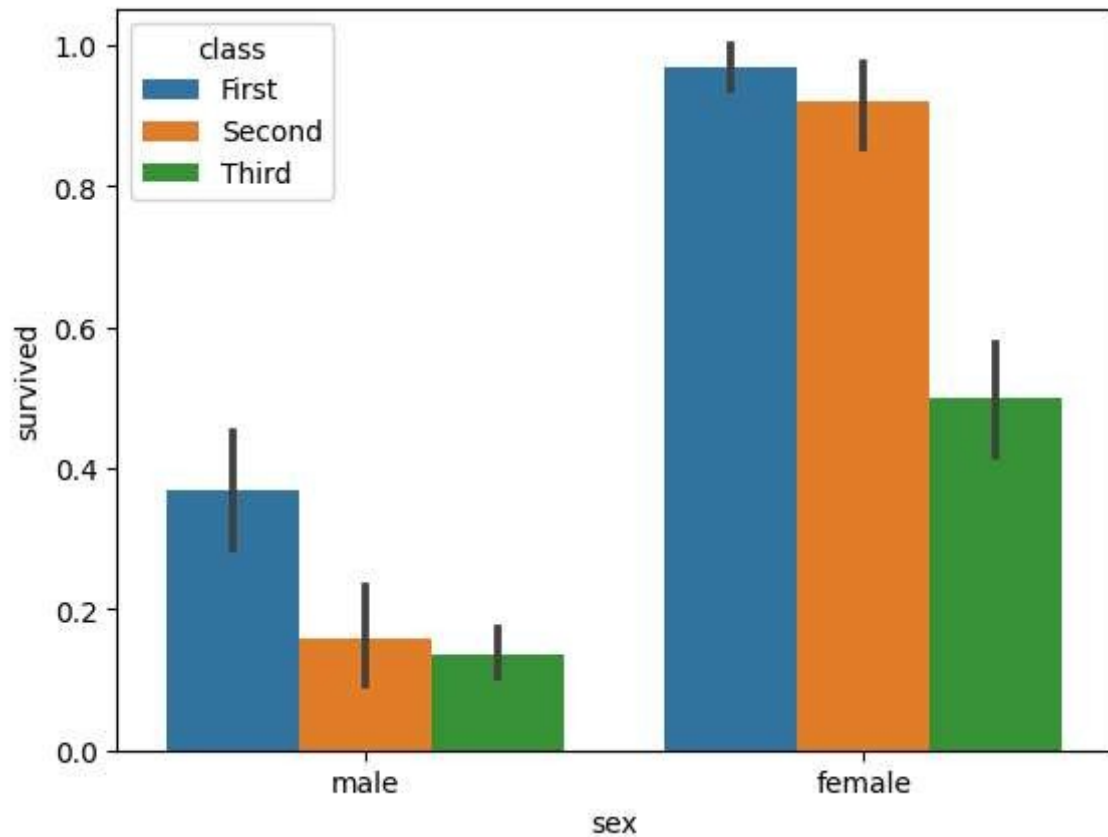
In [10]: `sns.countplot(x=df['class'])`

Out[10]: `<Axes: xlabel='class', ylabel='count'>`



In [11]: `sns.barplot(x='sex',y='survived',data=df)`

Out[11]: `<Axes: xlabel='sex', ylabel='survived'>`

In [12]:
```python
sns.barplot(x='sex',y='survived',hue='class',data=df)
```
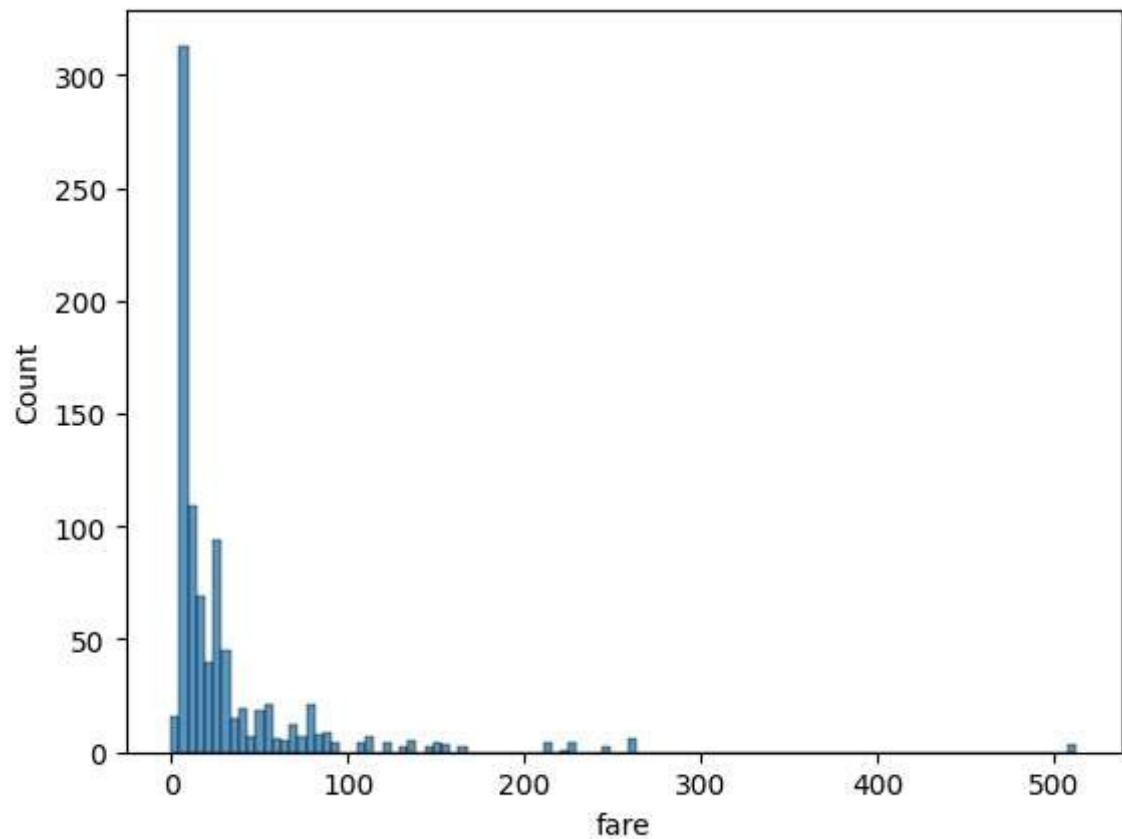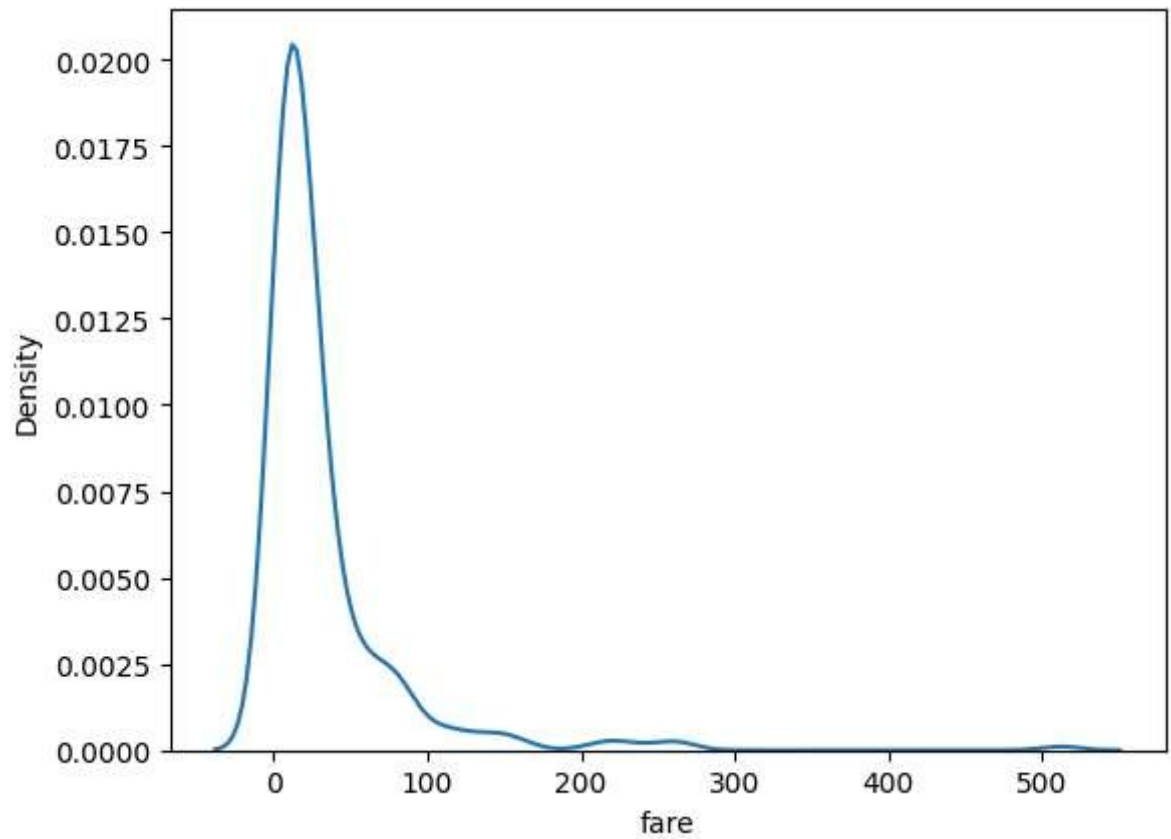
Out[12]:
```
<Axes: xlabel='sex', ylabel='survived'>
```



In [13]:
```python
sns.histplot(df['fare'])
```

Out[13]:
```
<Axes: xlabel='fare', ylabel='Count'>
```

In [14]:
```python
sns.kdeplot(df['fare'])
```

Out[14]:
```
<Axes: xlabel='fare', ylabel='Density'>
```



In [ ]: