In [35]:
```
import seaborn as sns
df= sns.load_dataset('titanic')
```

In [36]:
```
df
```

Out[36]:

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

891 rows × 15 columns

In [37]:
```
df=df[['survived','class','sex','age','fare']]
```

In [38]:
```
df
```

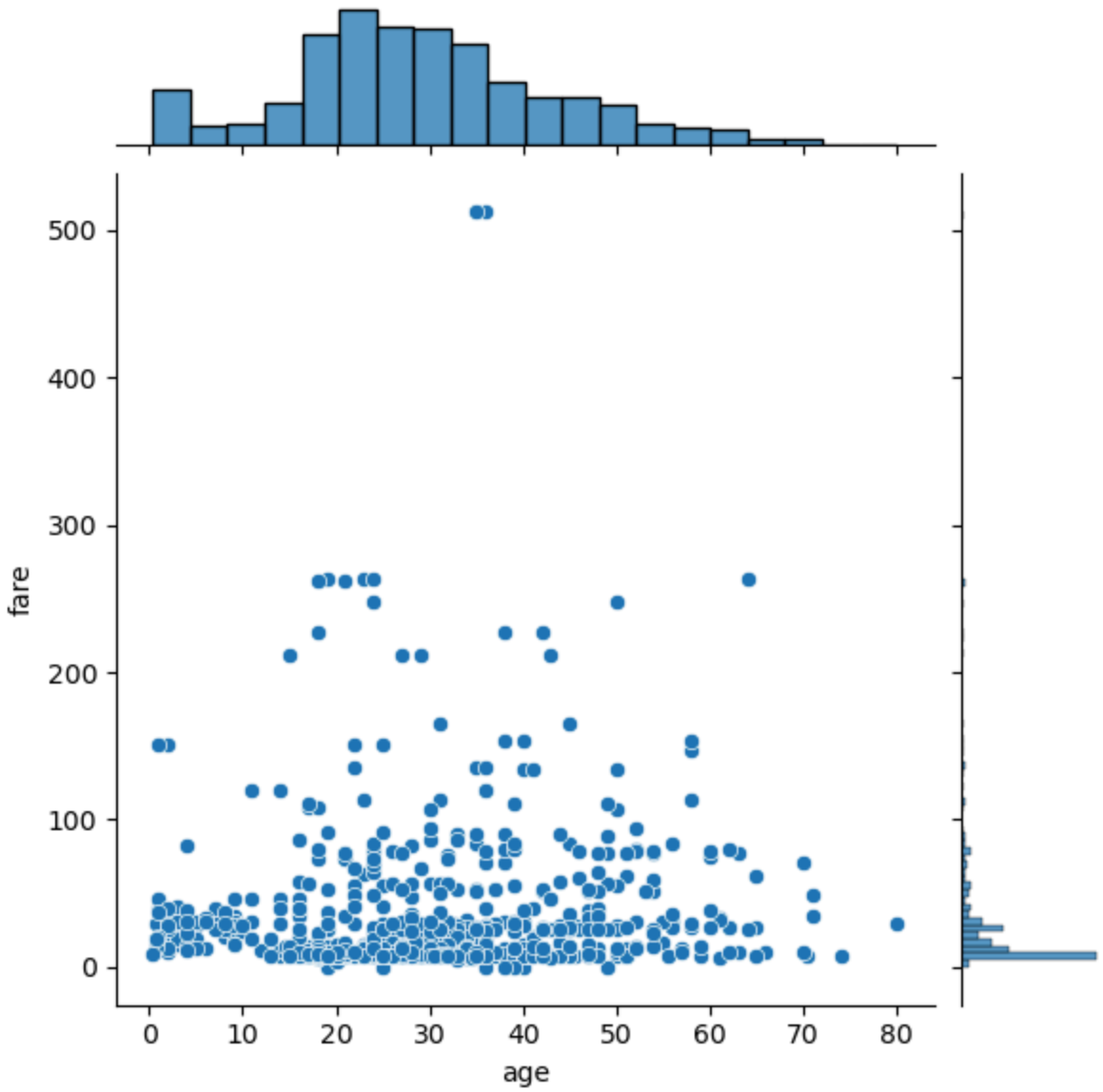
Out[38]:

| | 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

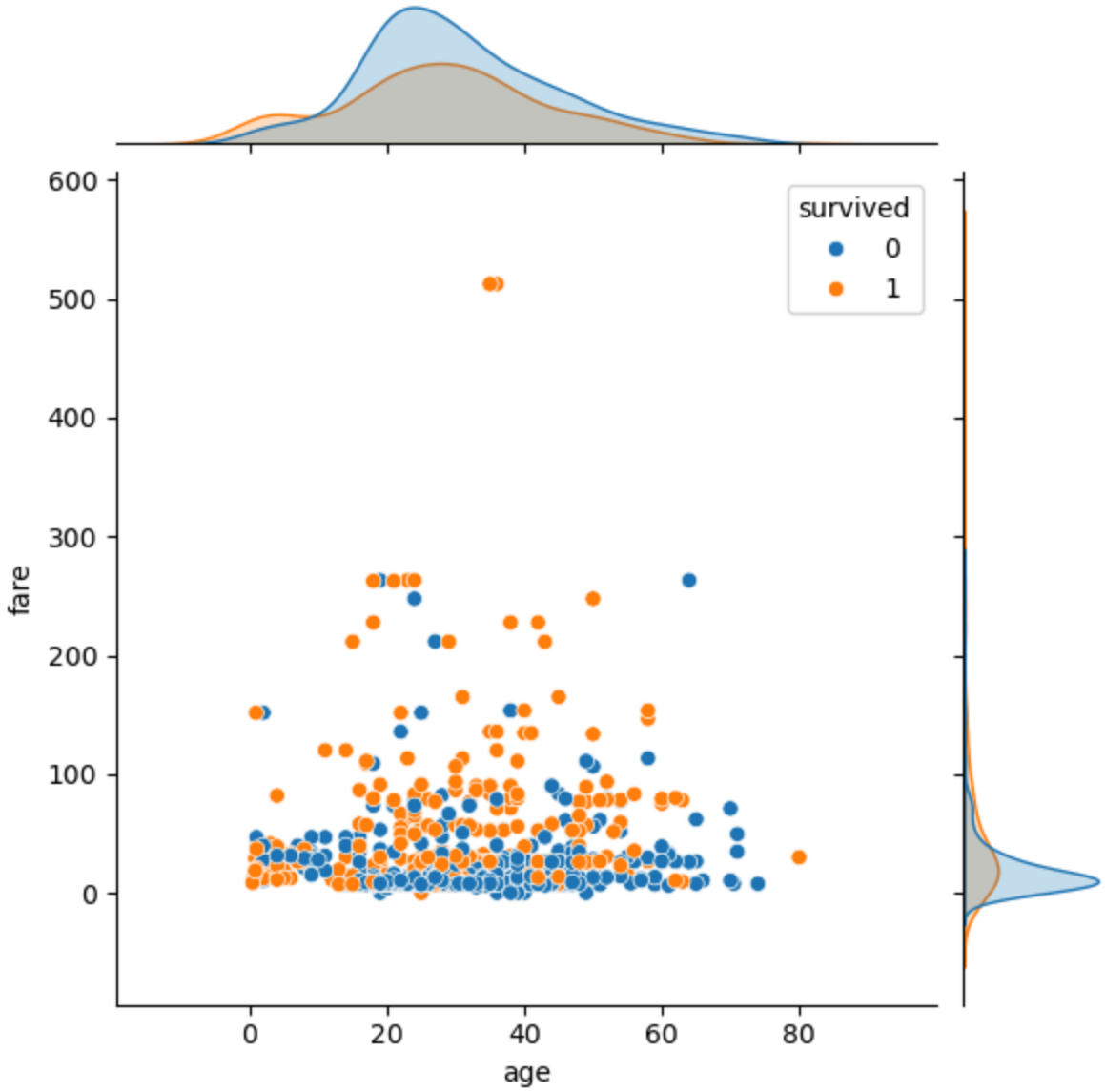
In [39]:
```
sns.jointplot(x='age',y='fare',data=df)
```

Out[39]:
```
<seaborn.axisgrid.JointGrid at 0x1efbc21ac60>
```



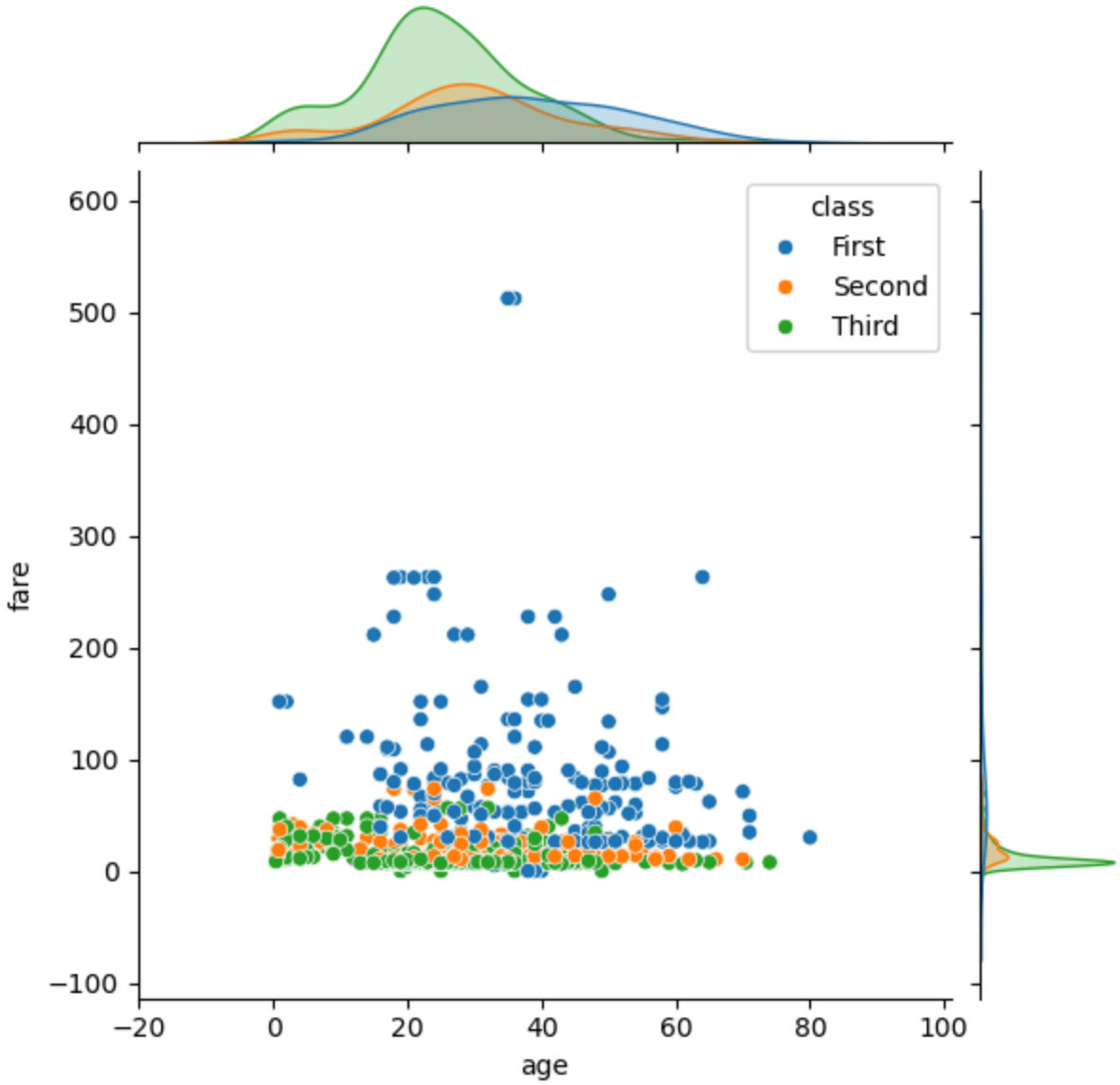

In [40]:
```
sns.jointplot(x='age',y='fare',data=df,hue='survived')
```

Out[40]:
```
<seaborn.axisgrid.JointGrid at 0x1efbc3bb110>
```



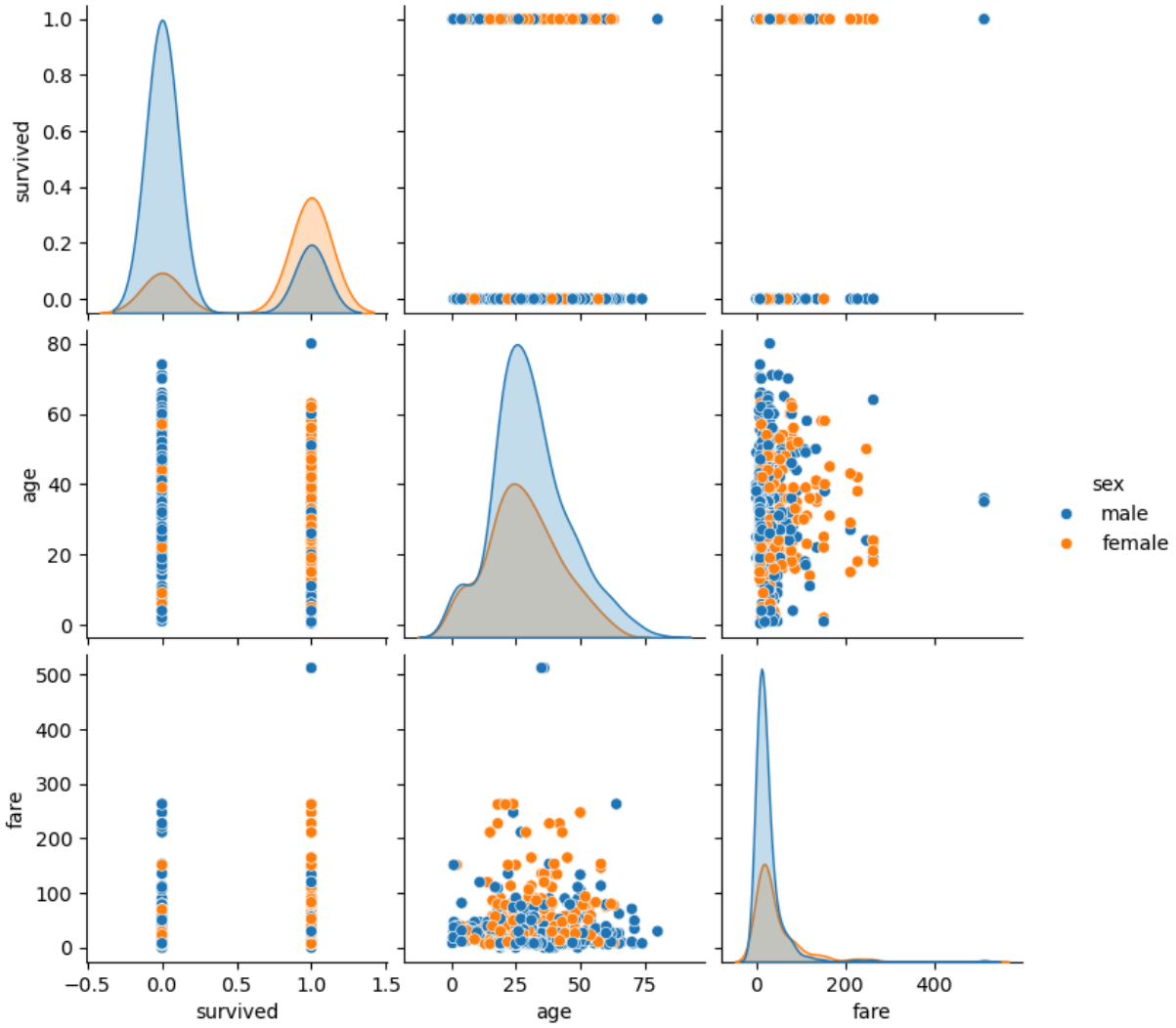

In [41]:
```
sns.jointplot(x='age',y='fare',data=df,hue='class')
```

Out[41]:
```
<seaborn.axisgrid.JointGrid at 0x1efbdc67e00>
```



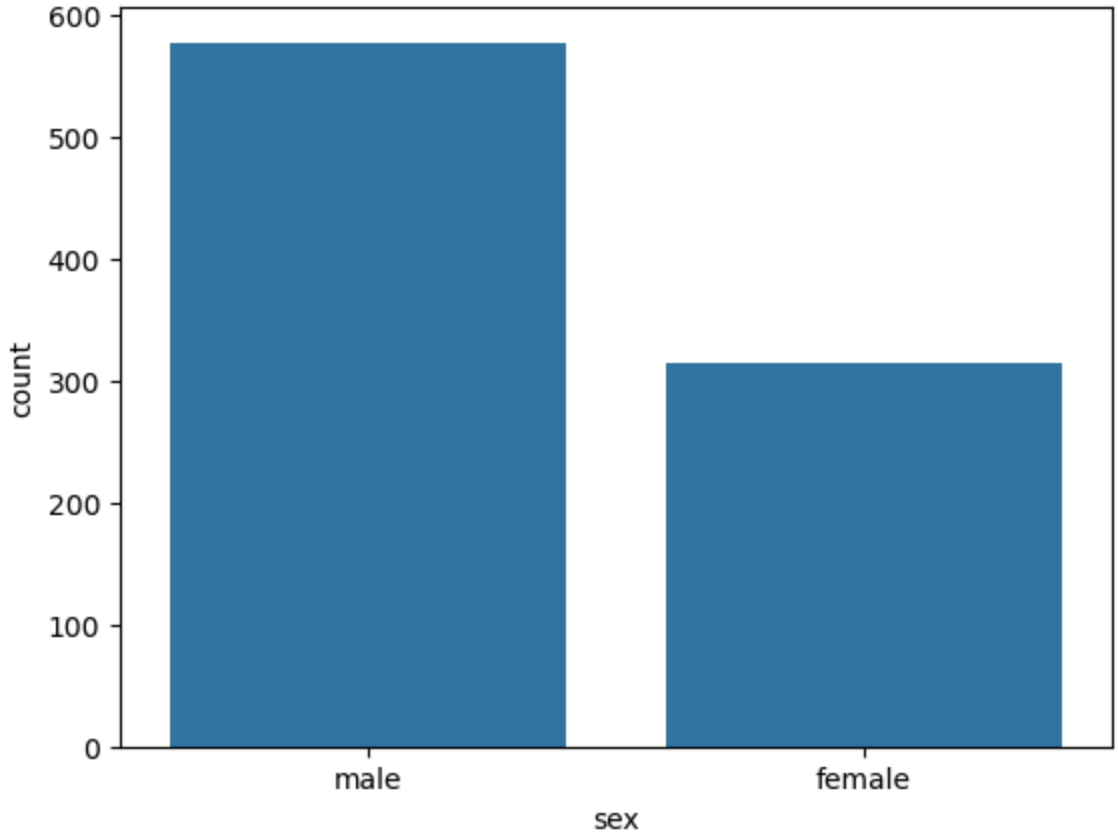

In [42]:
```
sns.pairplot(df,hue='sex')
```

Out[42]: <seaborn.axisgrid.PairGrid at 0x1efbbdd01a0>



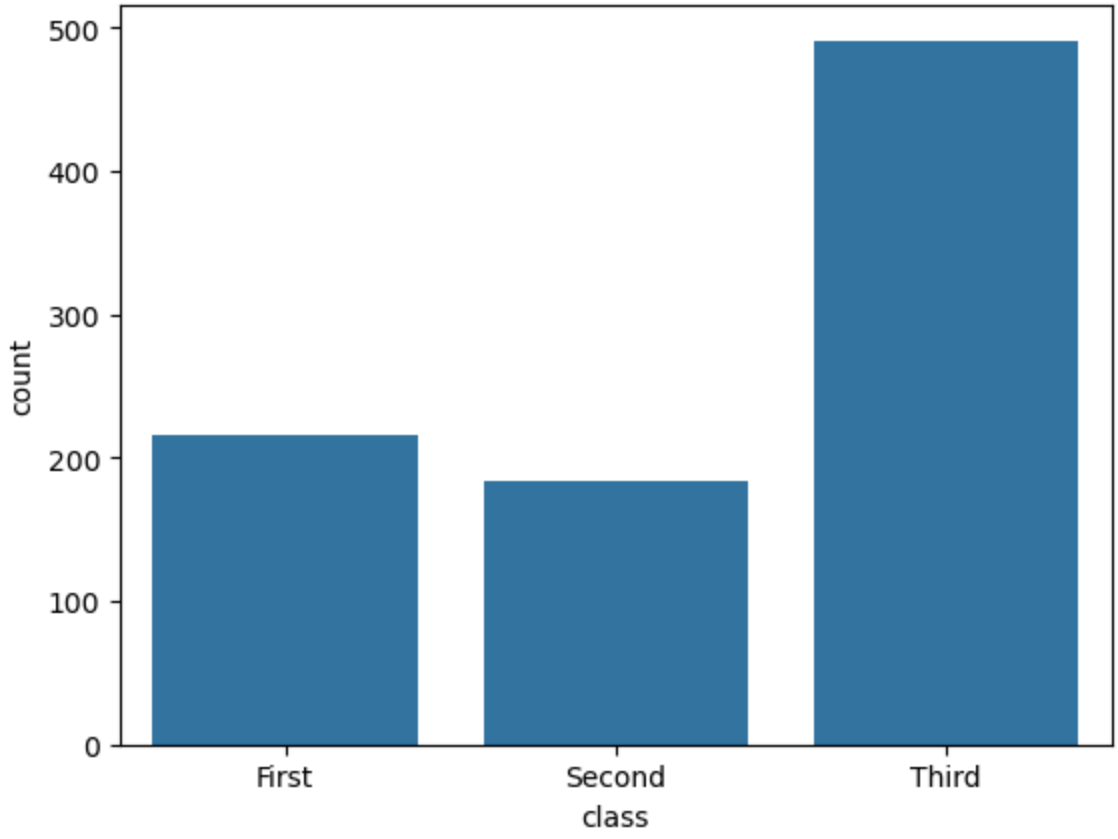

In [43]:
```
sns.countplot(x=df['sex'])
```

Out[43]:
```
<Axes: xlabel='sex', ylabel='count'>
```



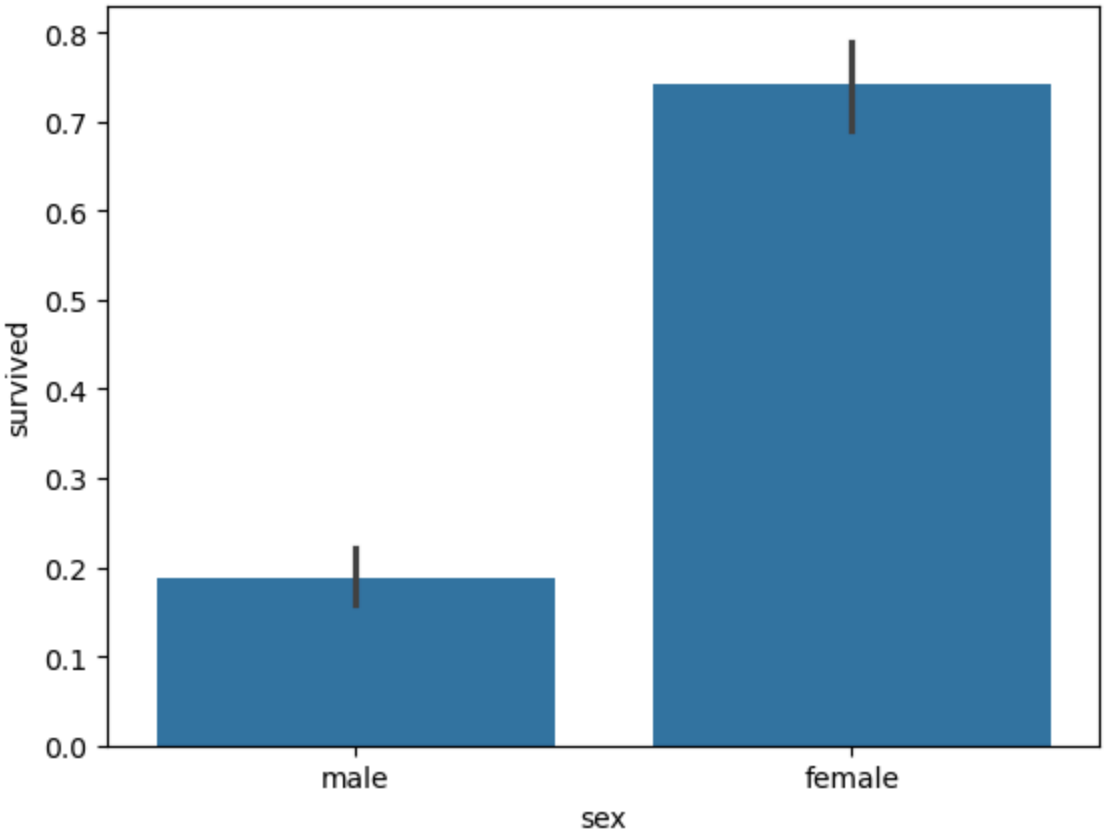

In [44]:
```
sns.countplot(x=df['class'])
```

Out[44]: <Axes: xlabel='class', ylabel='count'>



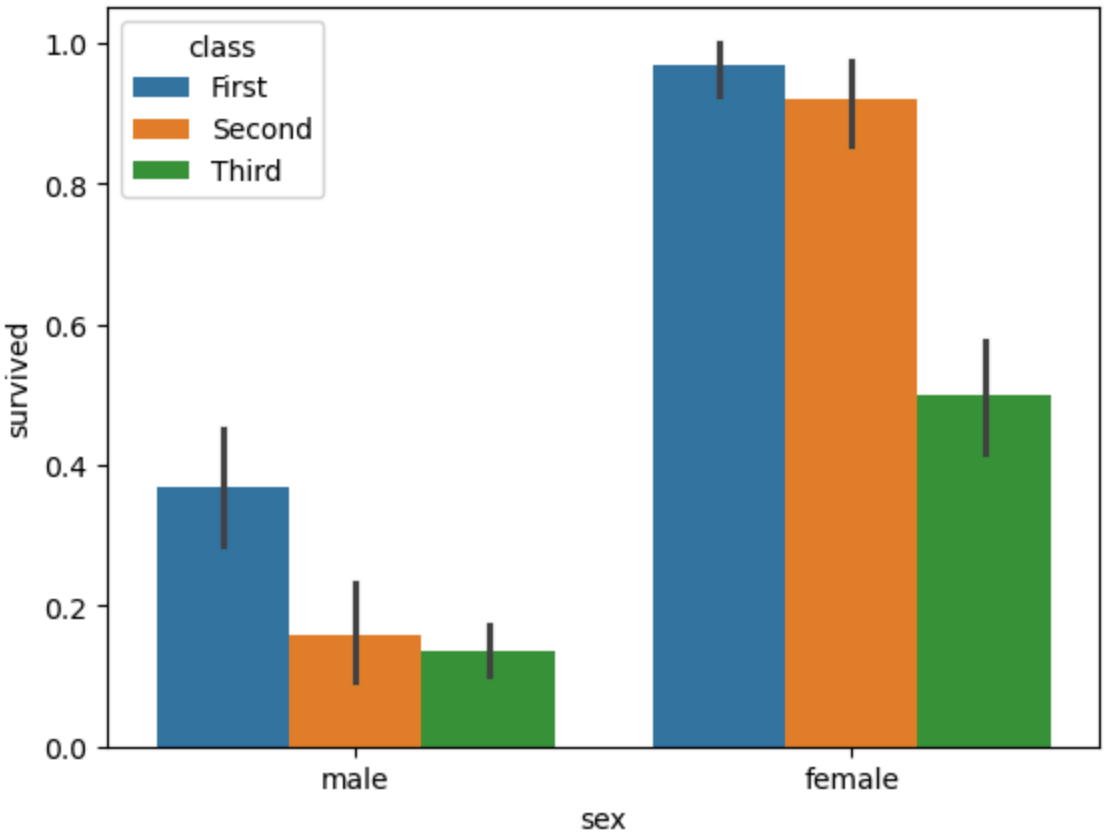
In [45]:
```
sns.barplot(x='sex',y='survived',data=df)
```

Out[45]: <Axes: xlabel='sex', ylabel='survived'>



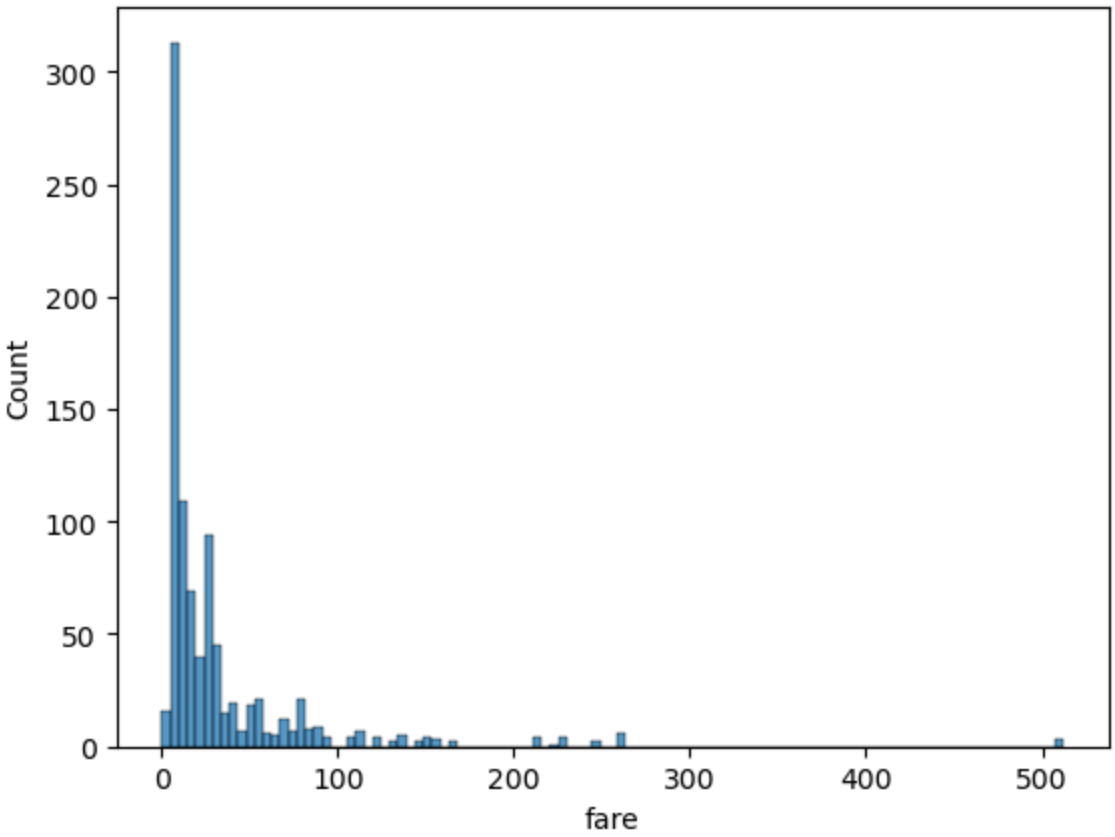

In [46]:
```
sns.barplot(x='sex',y='survived',hue='class',data=df)
```

Out[46]: <Axes: xlabel='sex', ylabel='survived'>



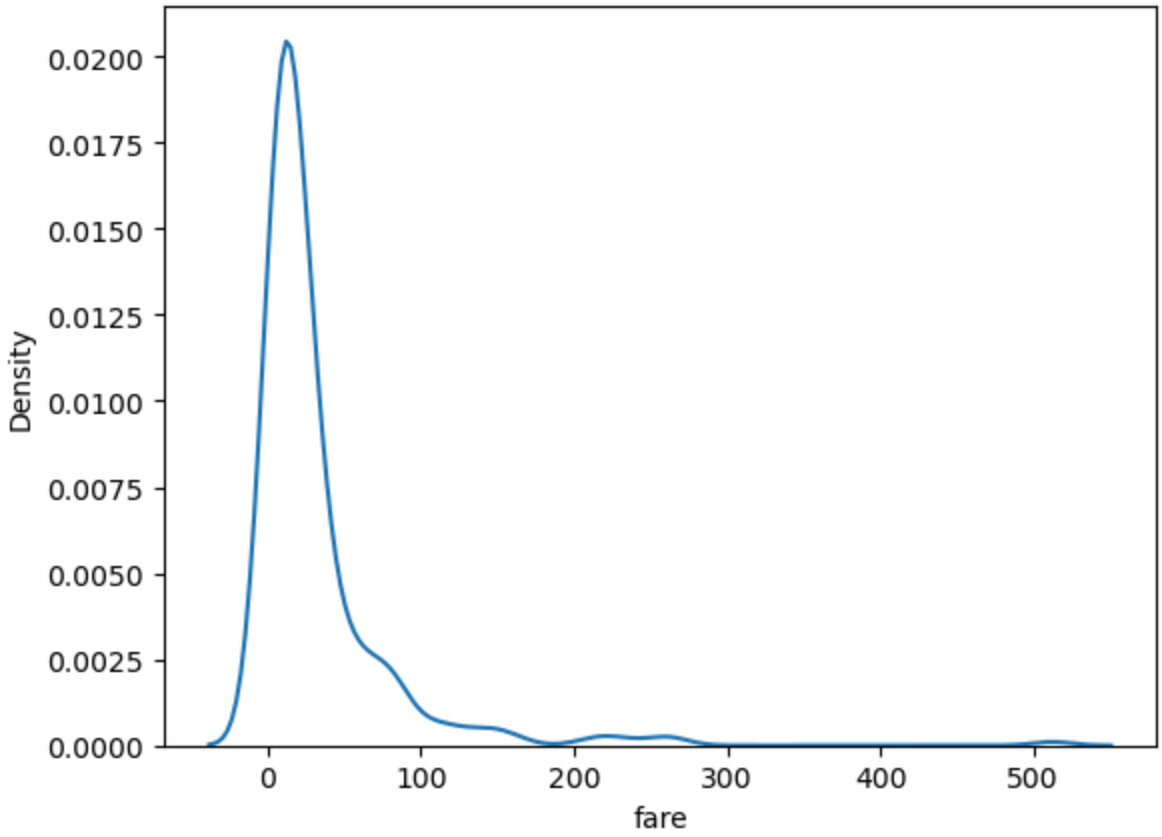

In [47]:
```
sns.histplot(df['fare'])
```

Out[47]: <Axes: xlabel='fare', ylabel='Count'>



In [48]:
```
sns.kdeplot(df['fare'])
```

Out[48]: <Axes: xlabel='fare', ylabel='Density'>




In [ ]: