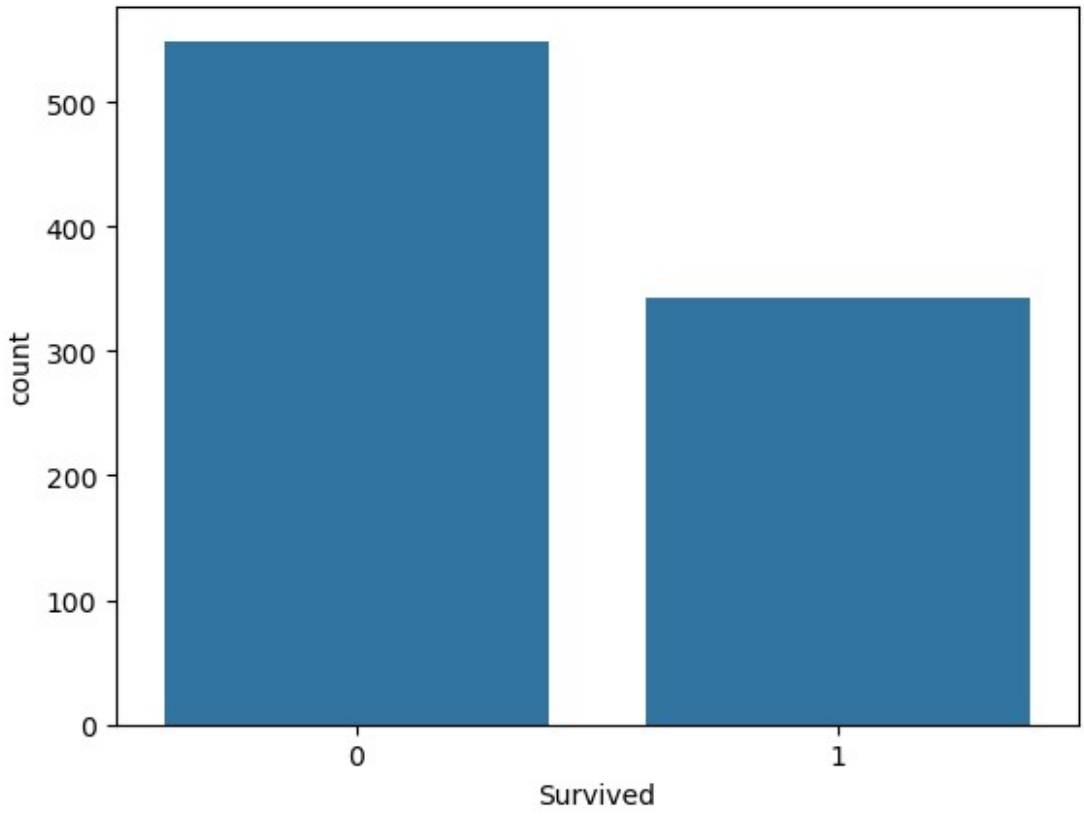
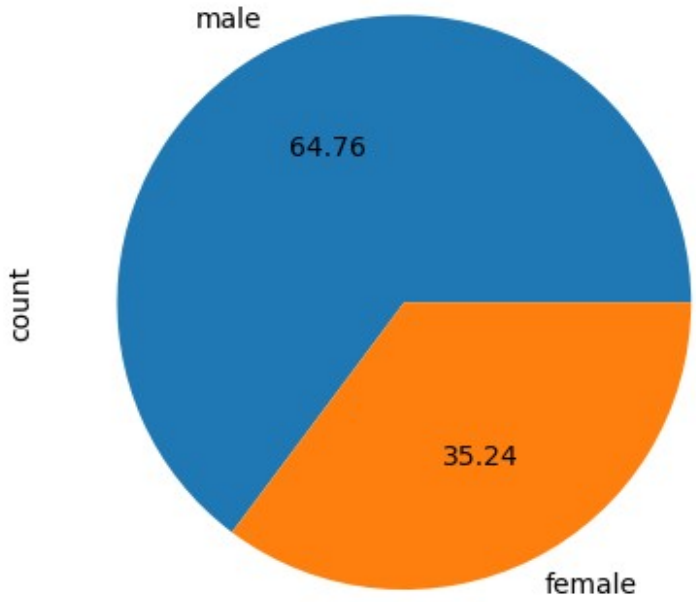
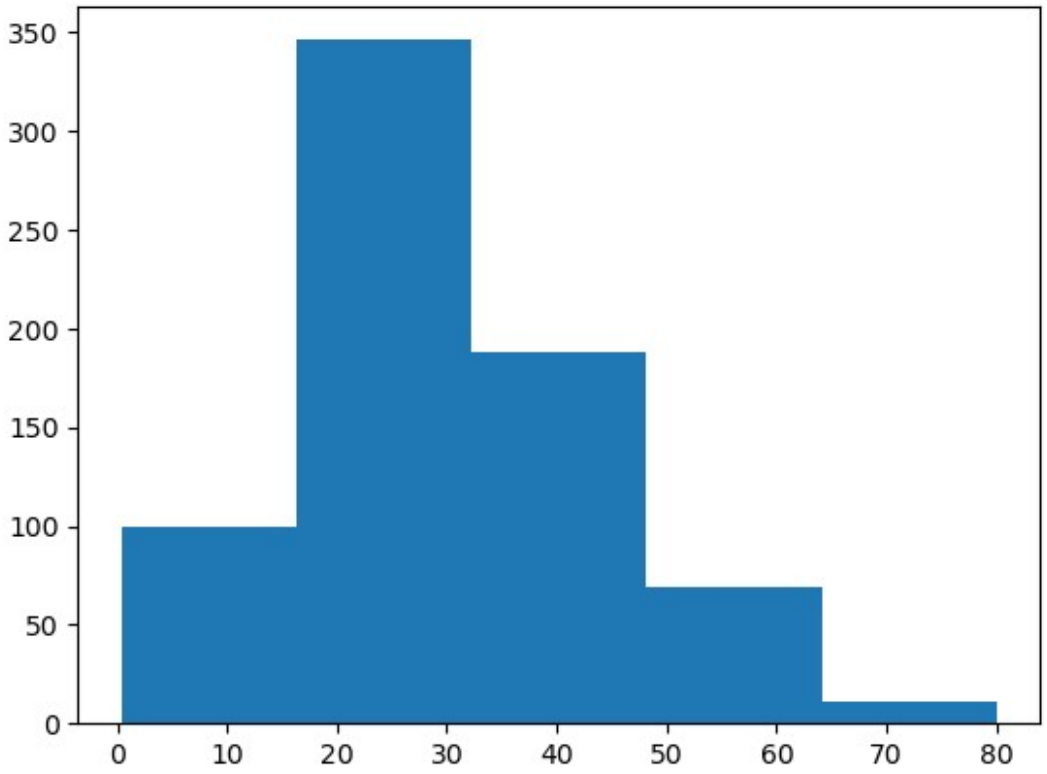
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

from seaborn import load_dataset

#titanic dataset
hari = pd.read_csv("train.csv")

tips=load_dataset("tips")

sns.countplot(x="Survived",data=hari)
plt.show()
```




```
hari['Sex'].value_counts().plot(kind="pie",autopct="%.2f")
plt.show()
```

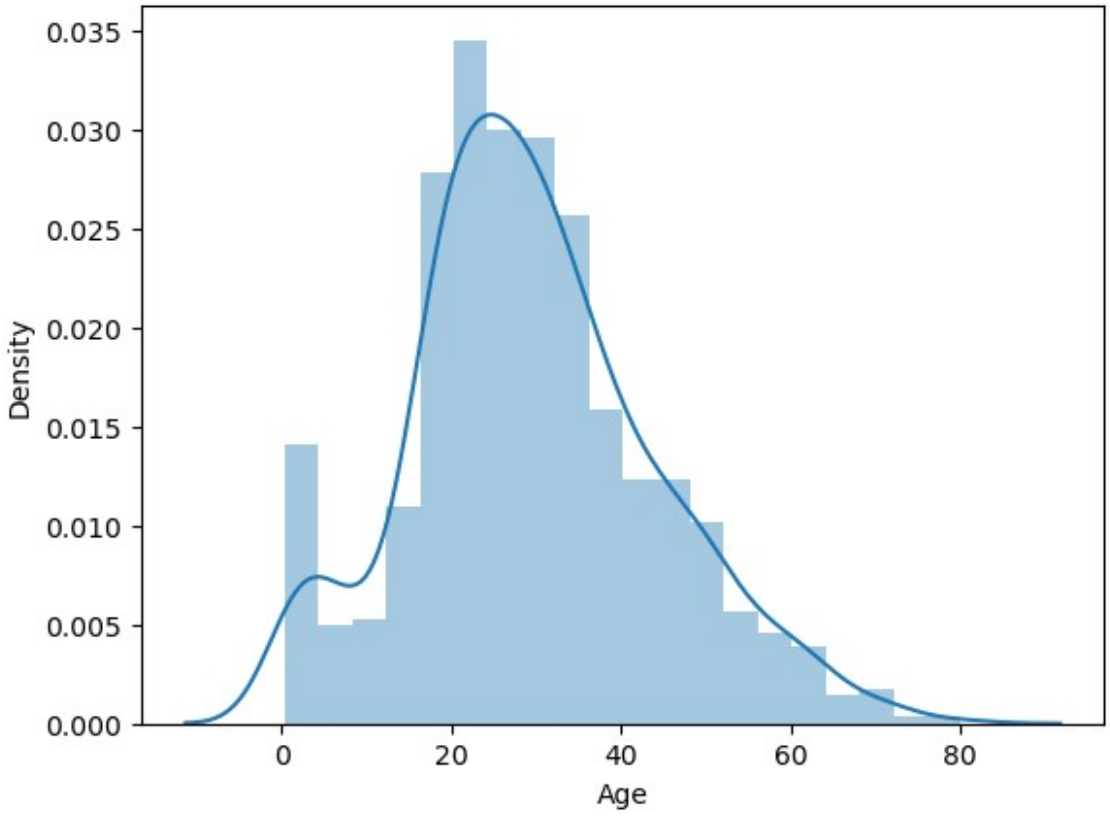



```
plt.hist(hari['Age'],bins=5)
plt.show()
```



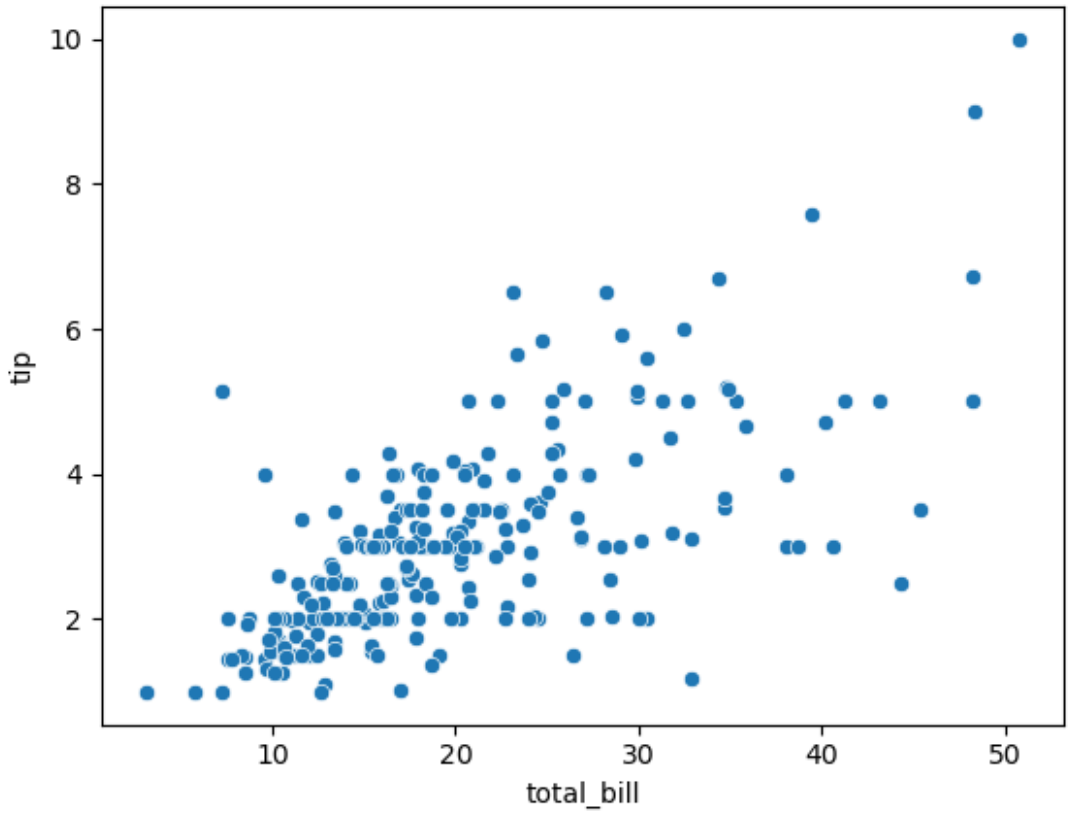
```
sns.distplot(hari['Age'])
plt.show()
```

```
C:\Users\Sumit\AppData\Local\Temp\ipykernel_24672\766697599.py:1:
UserWarning:

`distplot` is a deprecated function and will be removed in seaborn
v0.14.0.

Please adapt your code to use either `displot` (a figure-level
function with
similar flexibility) or `histplot` (an axes-level function for
histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(hari['Age'])
```

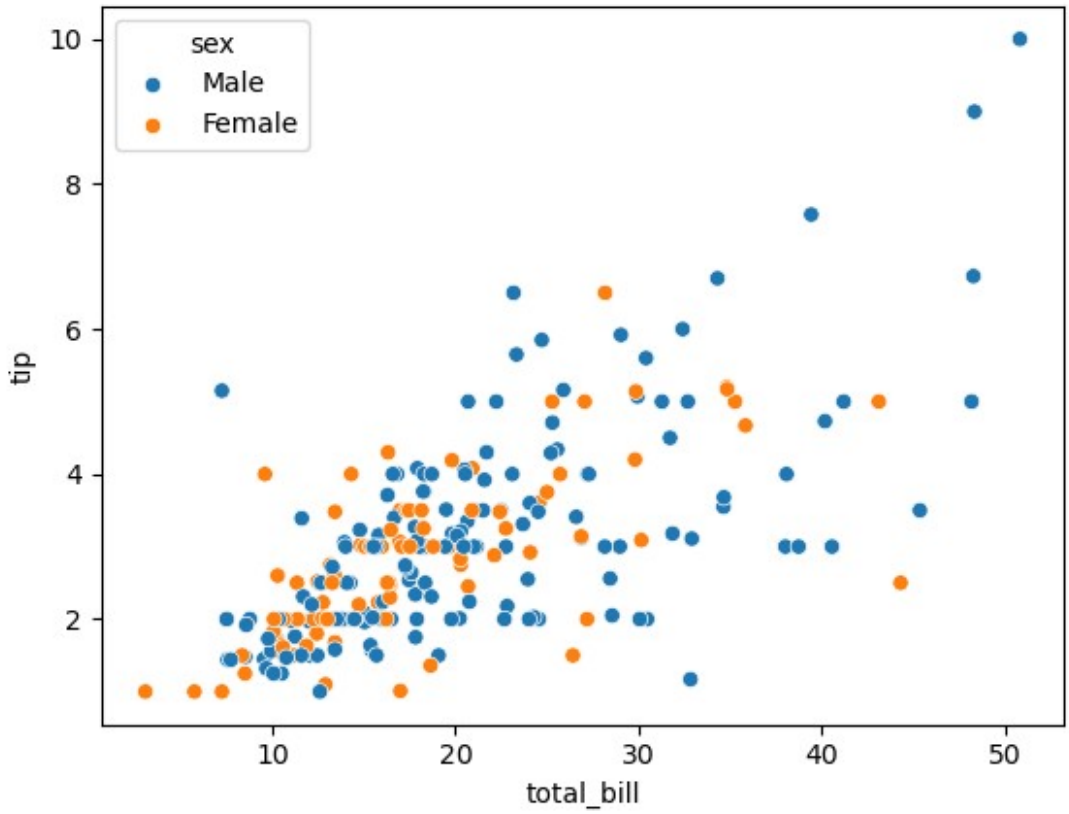



```
sns.scatterplot(x=tips['total_bill'],y=tips["tip"])
```

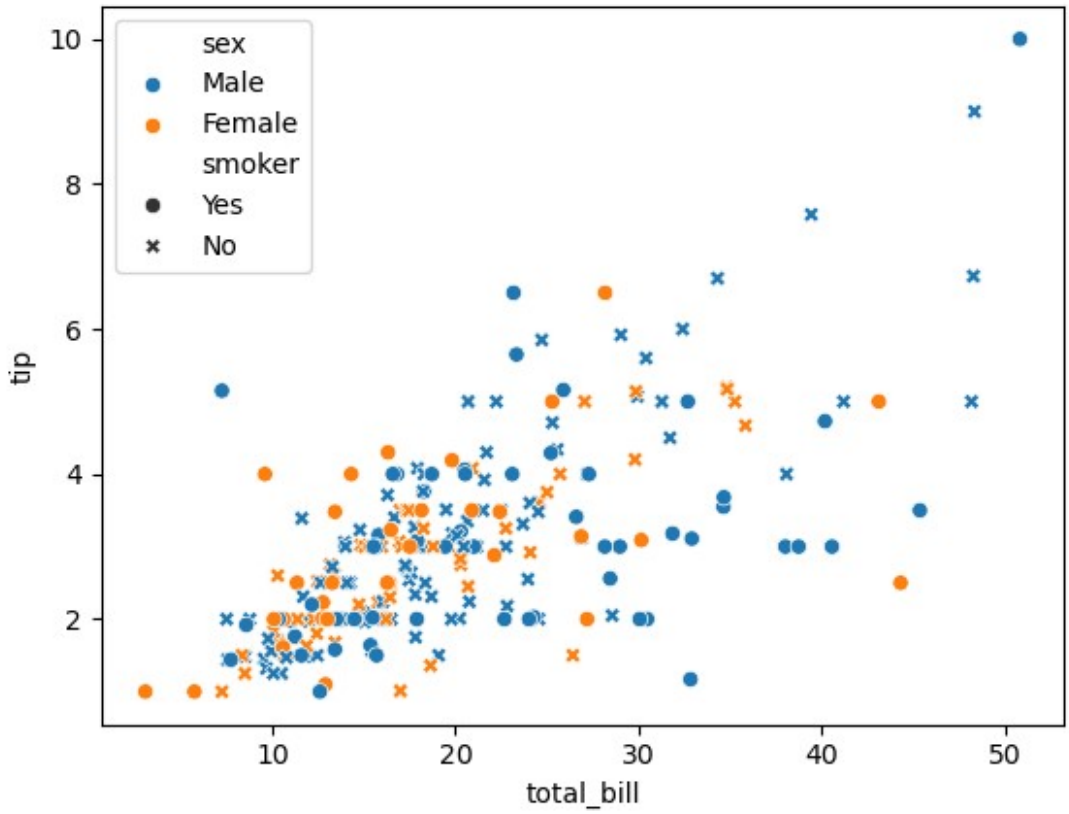
```
<Axes: xlabel='total_bill', ylabel='tip'>
```



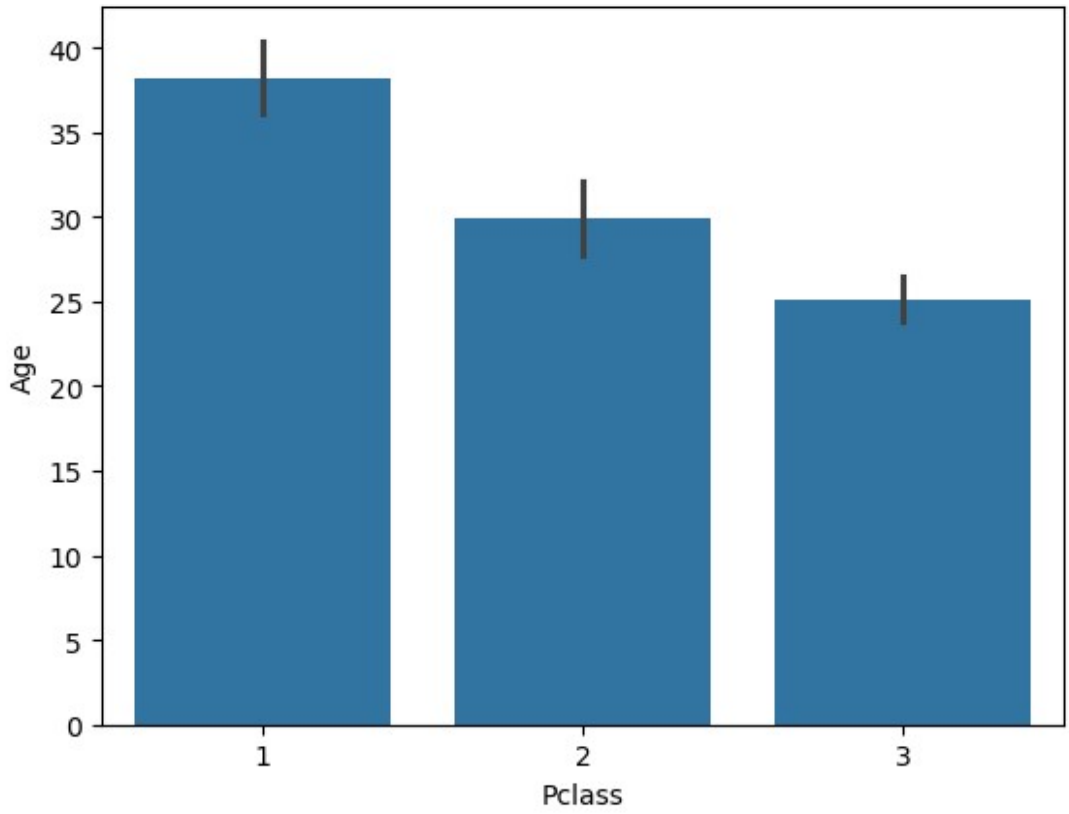

```
sns.scatterplot(x="total_bill",y="tip",hue="sex",data=tips)
plt.show()
```



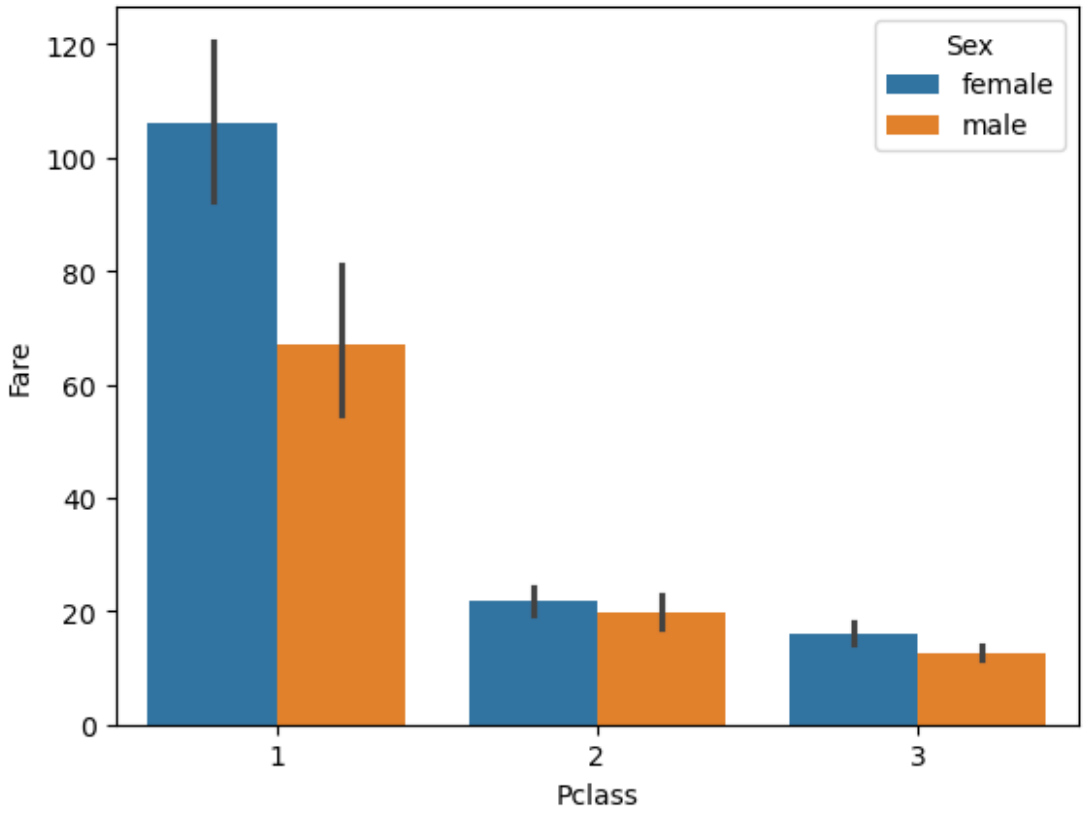

```
sns.scatterplot(x=tips["total_bill"],y=tips["tip"],hue=tips["sex"],sty
le=tips["smoker"])
plt.show()
```




```
sns.barplot(x=hari["Pclass"],y=hari['Age'])
plt.show()
```

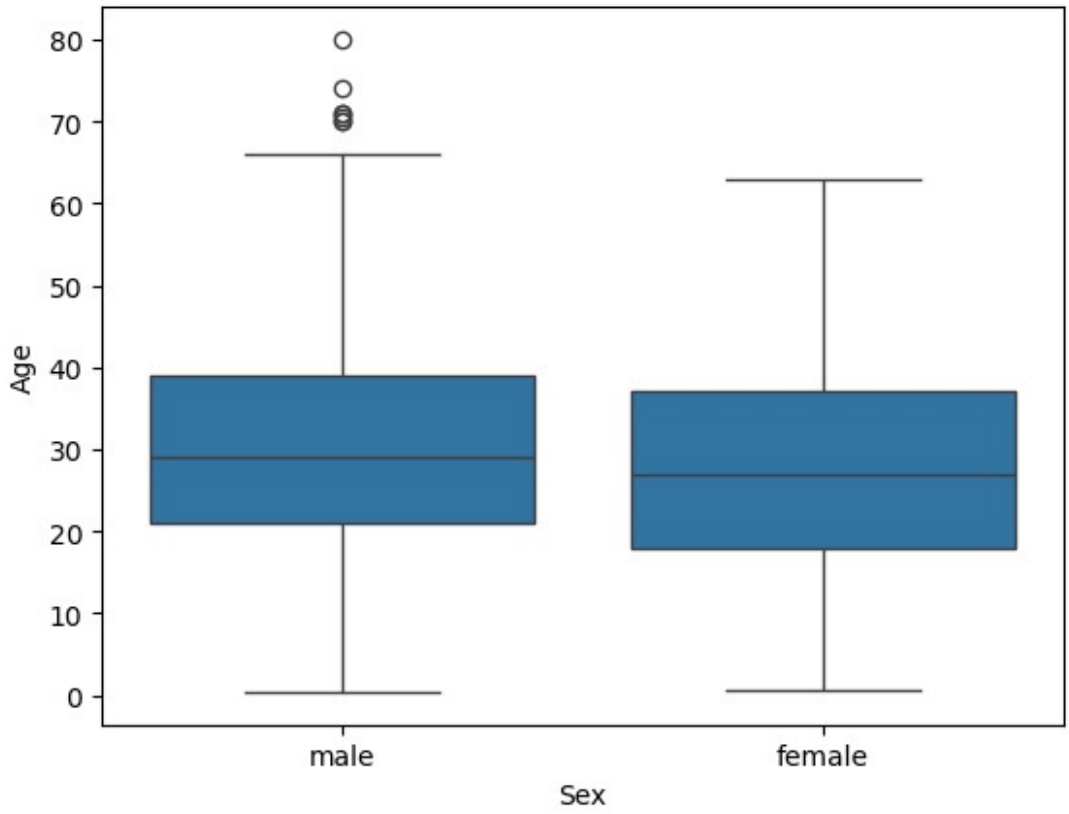



```
sns.barplot(x=hari['Pclass'],y=hari['Fare'],hue=hari["Sex"])
plt.show()
```

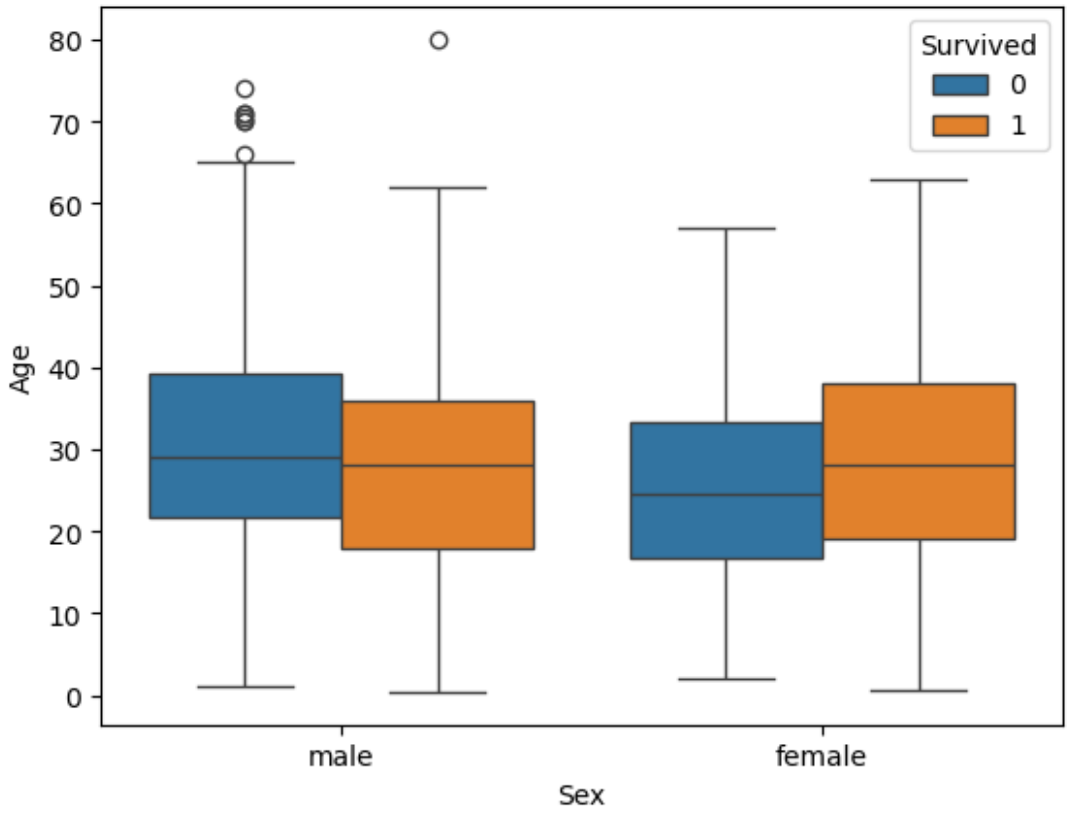



```
sns.boxplot(x=hari["Sex"],y=hari['Age'])
```

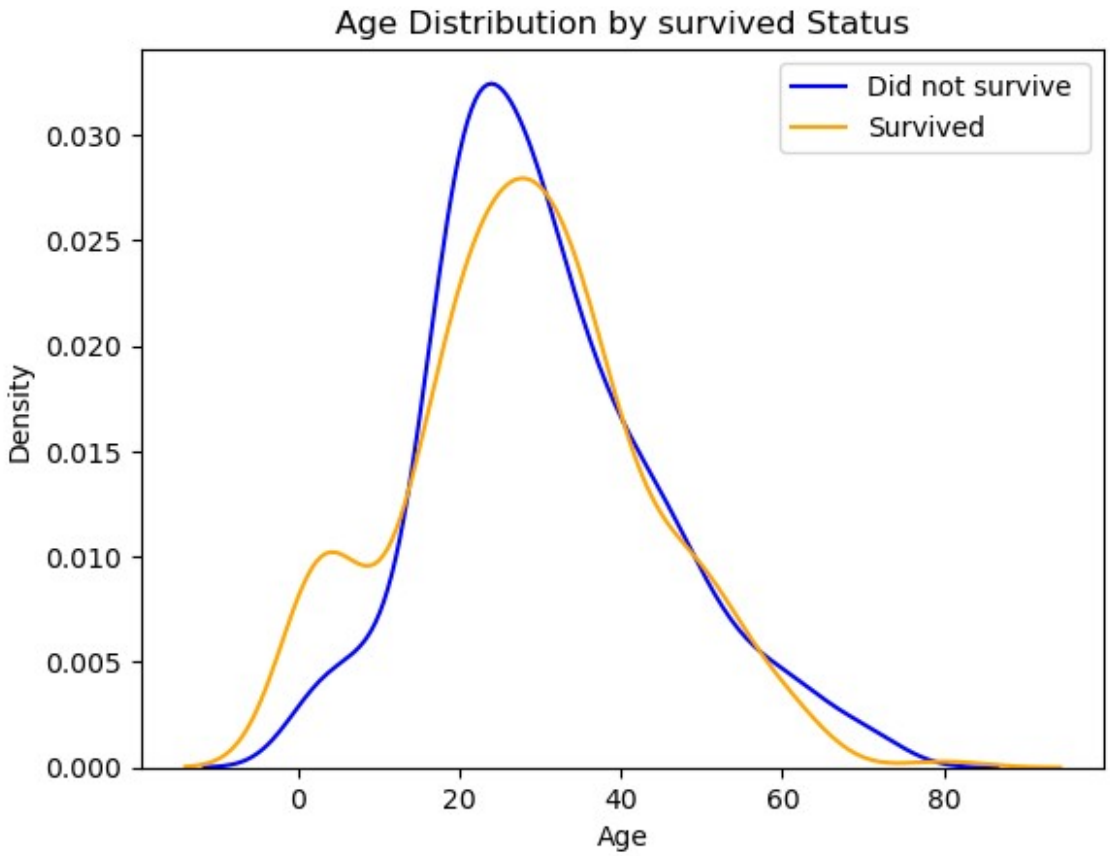
```
<Axes: xlabel='Sex', ylabel='Age'>
```




```
sns.boxplot(x=hari['Sex'],y=hari['Age'],hue=hari['Survived'])
plt.show()
```




```
sns.kdeplot(data=hari[hari['Survived'] == 0]['Age'],label='Did not
survive ',color='blue')
sns.kdeplot(data=hari[hari['Survived'] == 1]['Age'], label =
'Survived',color='orange')
plt.xlabel("Age")
plt.title("Age Distribution by survived Status")
plt.legend()
plt.show()
```

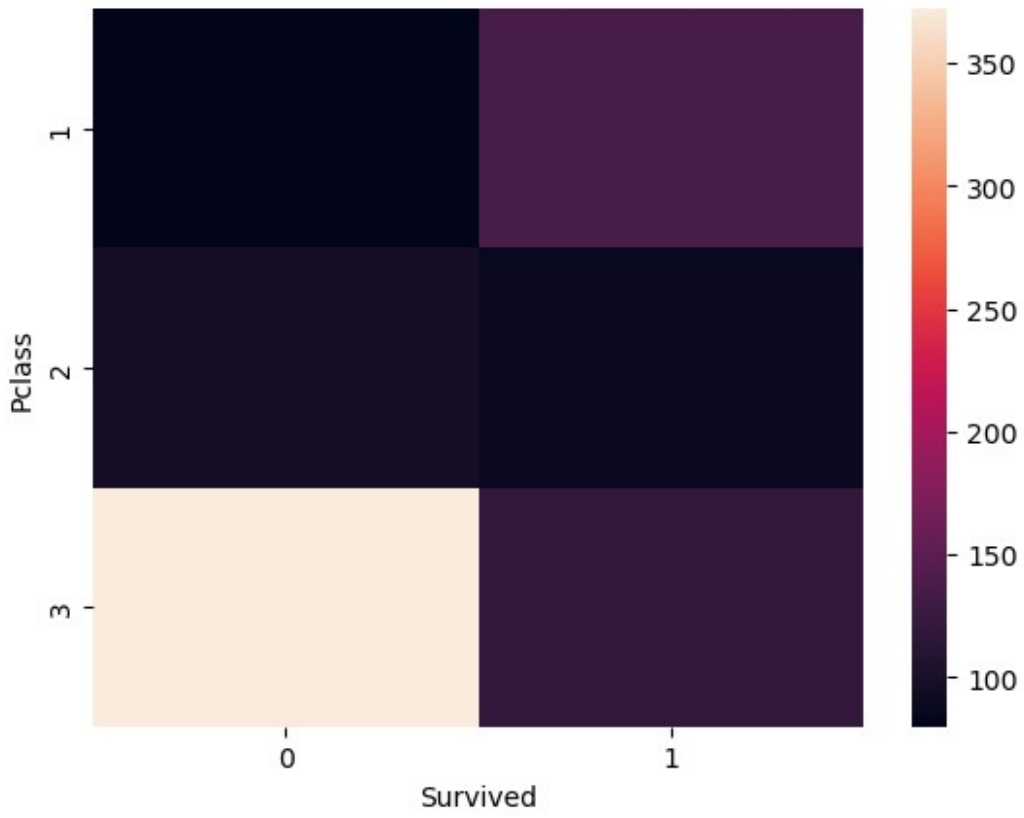



```
pd.crosstab(hari['Pclass'],hari["Survived"])
```

```
Survived    0    1
Pclass
1          80  136
2          97   87
3         372  119
```

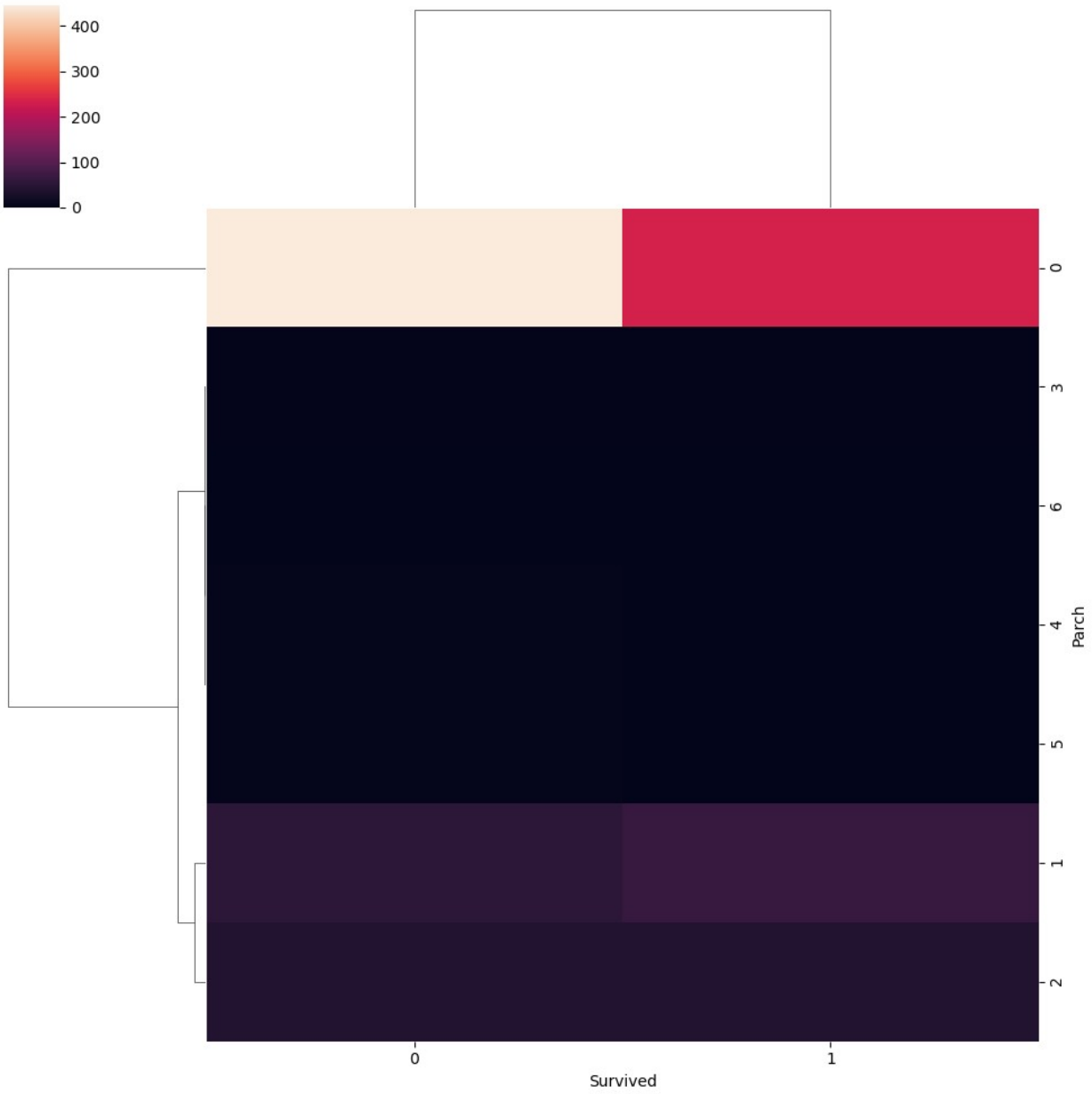
```
sns.heatmap(pd.crosstab(hari['Pclass'],hari['Survived']))
```

```
<Axes: xlabel='Survived', ylabel='Pclass'>
```




```
sns.clustermap(pd.crosstab(hari['Parch'],hari['Survived']))
```

```
<seaborn.matrix.ClusterGrid at 0x23693435400>
```


400
300
200
100
0
0
3
6
4
5
1
2
Parch
0
1
Survived