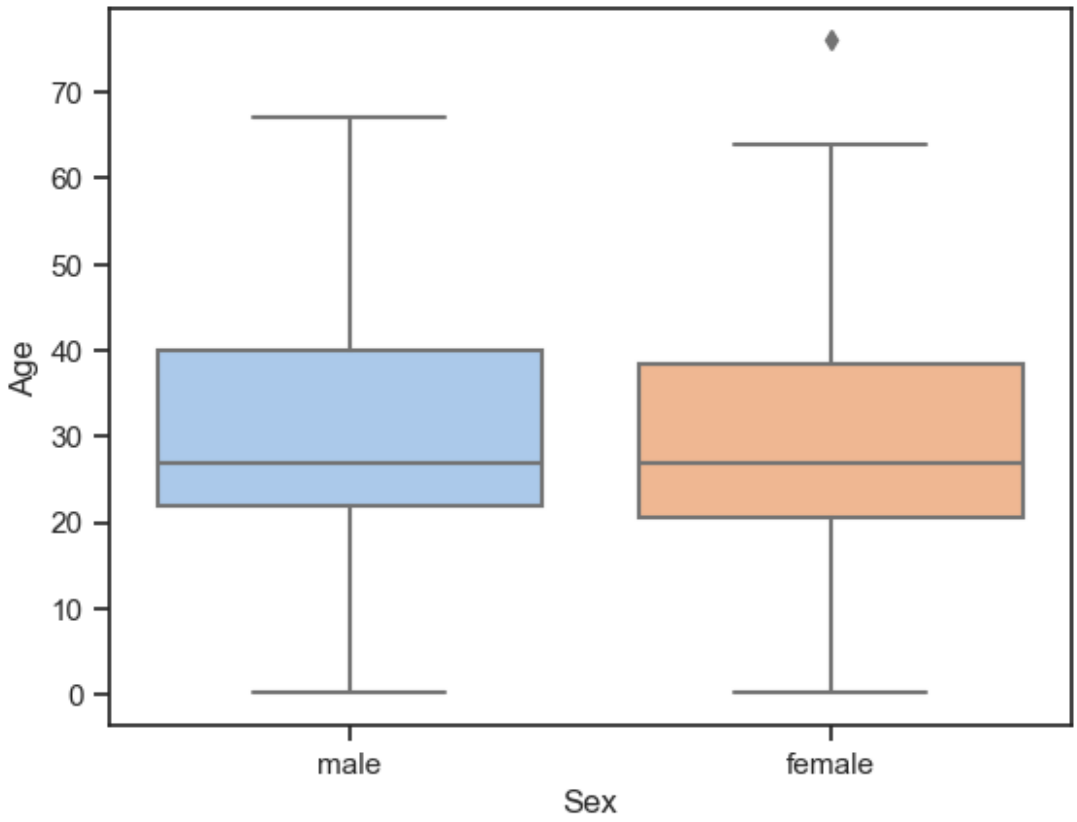
```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt

df=pd.read_csv("tested.csv")

df.head(10)
```

```
   PassengerId  Survived  Pclass  \
0          892         0       3
1          893         1       3
2          894         0       2
3          895         0       3
4          896         1       3
5          897         0       3
6          898         1       3
7          899         0       2
8          900         1       3
9          901         0       3

                                          Name     Sex   Age  SibSp
Parch  \
0                              Kelly, Mr. James    male  34.5      0
0
1              Wilkes, Mrs. James (Ellen Needs)  female  47.0      1
0
2                     Myles, Mr. Thomas Francis    male  62.0      0
0
3                              Wirz, Mr. Albert    male  27.0      0
0
4  Hirvonen, Mrs. Alexander (Helga E Lindqvist)  female  22.0      1
1
5                    Svensson, Mr. Johan Cervin    male  14.0      0
0
6                          Connolly, Miss. Kate  female  30.0      0
0
7                  Caldwell, Mr. Albert Francis    male  26.0      1
1
8     Abrahim, Mrs. Joseph (Sophie Halaut Easu)  female  18.0      0
0
9                        Davies, Mr. John Samuel    male  21.0      2
0

      Ticket     Fare Cabin Embarked
0     330911   7.8292   NaN        Q
1     363272   7.0000   NaN        S
2     240276   9.6875   NaN        Q
3     315154   8.6625   NaN        S
4    3101298  12.2875   NaN        S
5       7538   9.2250   NaN        S
```

```
6     330972   7.6292   NaN        Q
7     248738  29.0000   NaN        S
8       2657   7.2292   NaN        C
9  A/4 48871  24.1500   NaN        S
```

```
sns.boxplot(data=df,x='Sex',y='Age')
```

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




```
df.isnull().sum()
```

```
PassengerId      0
Survived         0
Pclass           0
Name             0
Sex              0
Age             86
SibSp            0
Parch            0
Ticket           0
Fare             1
Cabin          327
Embarked         0
dtype: int64
```

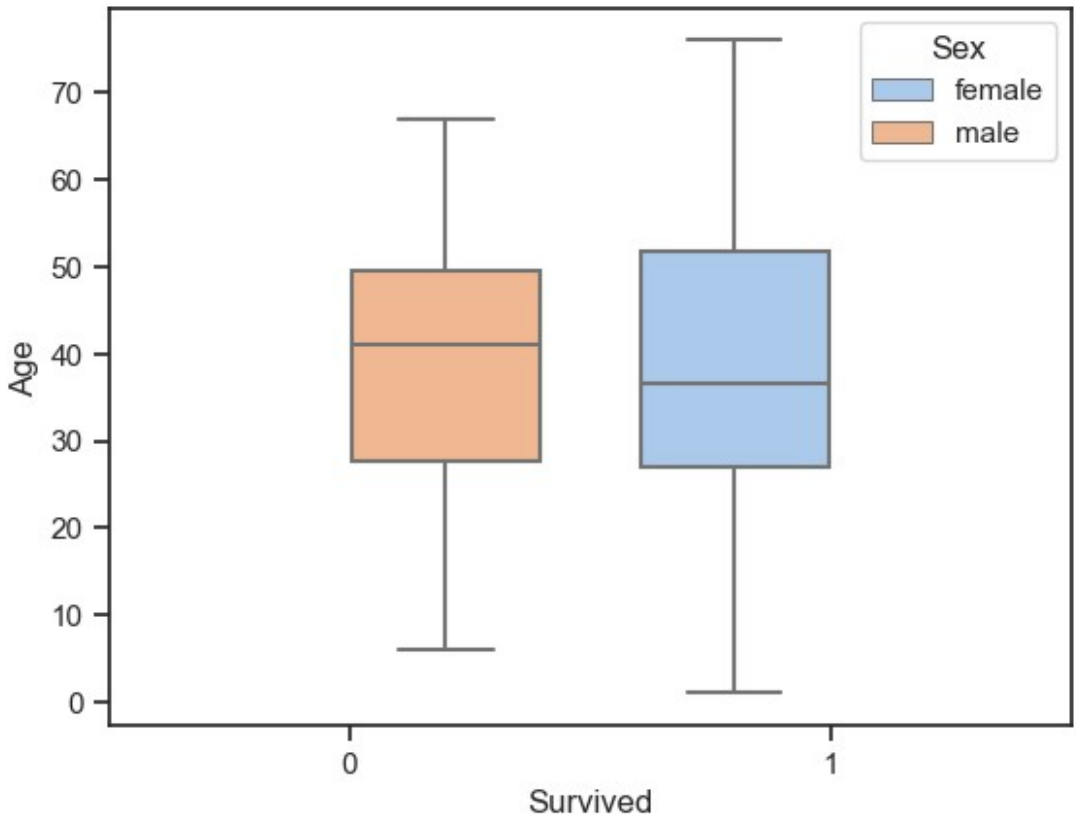
```
df.dropna(inplace=True)
```

```
df.isnull().sum()
```

```
PassengerId    0
Survived       0
Pclass         0
Name           0
Sex            0
Age            0
SibSp          0
Parch          0
Ticket         0
Fare           0
Cabin          0
Embarked       0
dtype: int64
```

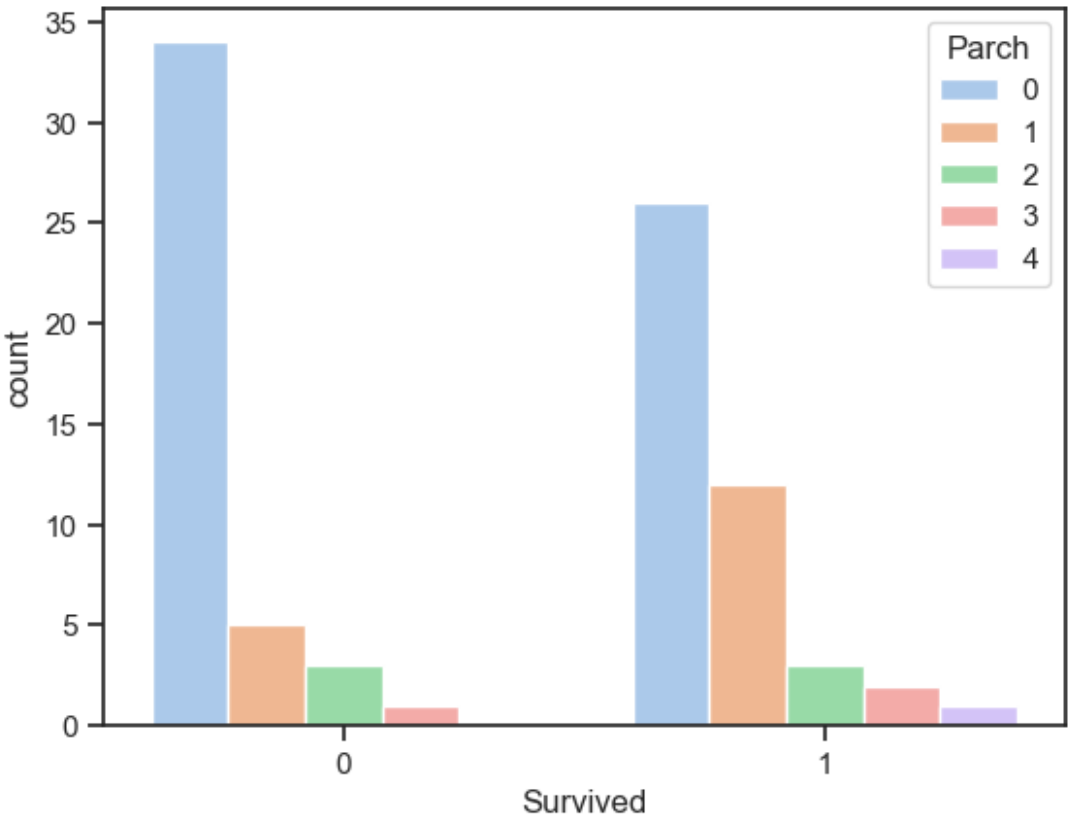
```
sns.boxplot(data=df,x='Survived',y='Age',hue='Sex')
```

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




```
sns.countplot(data=df,x="Survived",hue="Parch")
```

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


Parch
0
1
2
3
4
count
35
30
25
20
15
10
5
0
0
1
Survived