Assignment 9

```
In [1]:  import pandas as pd
         import numpy as np
         import matplotlib.pyplot as plt
         import seaborn as sns
         from seaborn import load_dataset
```

```
In [2]:  data = pd.read_csv('titanic_train.csv')
```
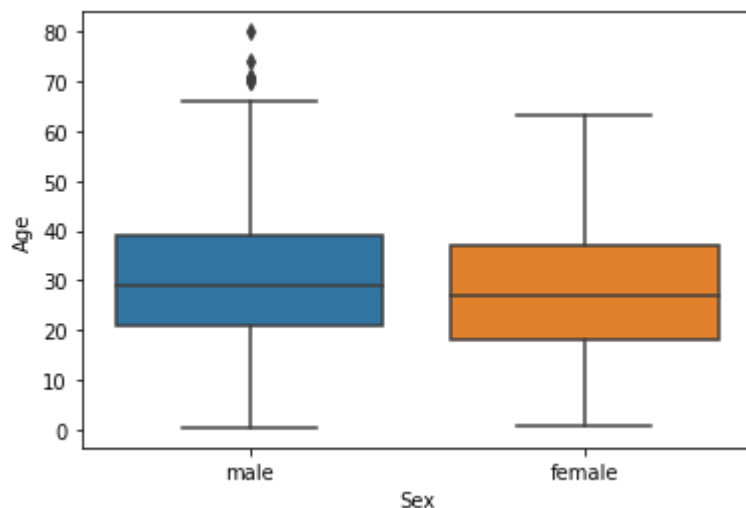
```
In [3]:  tips = load_dataset("tips")
```

```
In [4]:  sns.boxplot(data['Sex'], data['Age'])
```

C:\Users\DELL\AppData\Local\Programs\Python\Python39\lib\site-packages\seaborn
_decorators.py:36: FutureWarning: Pass the following variables as keyword arg
s: x, y. From version 0.12, the only valid positional argument will be `data`,
and passing other arguments without an explicit keyword will result in an error
or misinterpretation.
  warnings.warn(
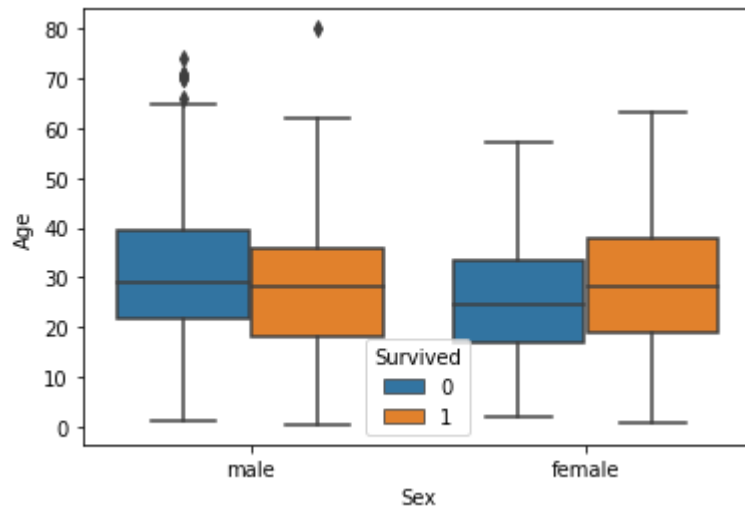
Out[4]: <AxesSubplot:xlabel='Sex', ylabel='Age'>

In [5]: `sns.boxplot(data['Sex'], data['Age'], data['Survived'])`

```
C:\Users\DELL\AppData\Local\Programs\Python\Python39\lib\site-packages\seaborn
\_decorators.py:36: FutureWarning: Pass the following variables as keyword arg
s: x, y, hue. From version 0.12, the only valid positional argument will be `da
ta`, and passing other arguments without an explicit keyword will result in an
error or misinterpretation.
  warnings.warn(
```

Out[5]: `<AxesSubplot:xlabel='Sex', ylabel='Age'>`

In [6]: `data`

Out[6]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0	PC 17599	71.2833
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May	female	35.0	1	0	113803	53.1000

In [7]: `sns.boxplot(x = 'Survived', y = 'Age', hue = 'Sex', data = data)`

Out[7]: `<AxesSubplot:xlabel='Survived', ylabel='Age'>`
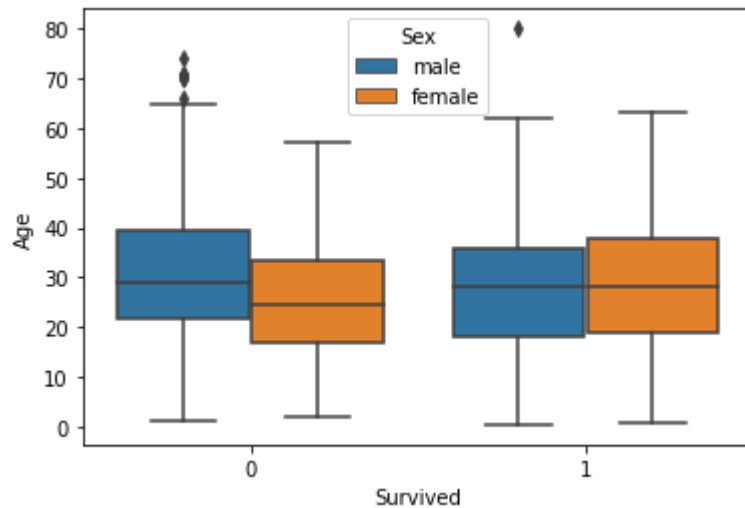
In [8]:
```python
plt.figure(figsize = (12, 8))
sns.boxplot(x = 'Sex', y = 'Age', hue = 'Survived', palette = 'Set3', data = data
```

Out[8]: <AxesSubplot:xlabel='Sex', ylabel='Age'>