In [1]:
```
# Assignment - A9  |  Name : Pratik Pingale  |  Roll No : 19CO056
```

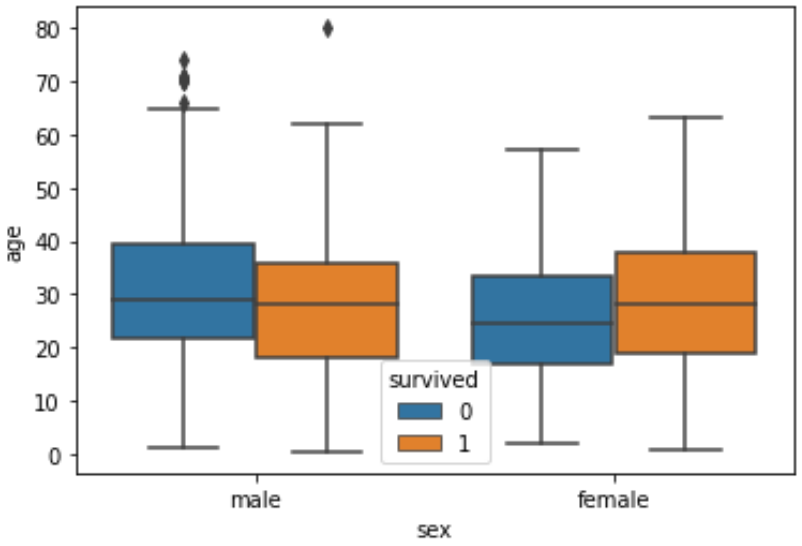
In [2]:
```
import pandas as pd
import numpy as np

import matplotlib.pyplot as plt
import seaborn as sns

dataset = sns.load_dataset('titanic')

dataset.head()
```

Out[2]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	d
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	I
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	I
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	I

In [3]:
```
sns.boxplot(x='sex', y='age', data=dataset, hue="survived")
```

Out[3]:
```
<AxesSubplot:xlabel='sex', ylabel='age'>
```



If we want to see the box plots of forage of passengers of both genders, along with the information about whether or not they survived, we can pass the **survived** as value to the **hue** parameter.

We can also see the distribution of the passengers who survived. For instance, we can see that among the male passengers, on average more younger people survived as compared to the older ones. Similarly, we can see that the variation among the age of female passengers who did not survive is much greater than the age of the surviving female passengers.