Practical No. 9

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Title of the Assignment: Data Visualization II

1. Use the inbuilt dataset 'titanic' as used in the above problem. Plot a box plot for distribution of age with respect to each gender along with the information about whether they survived or not. (Column names : 'sex' and 'age')
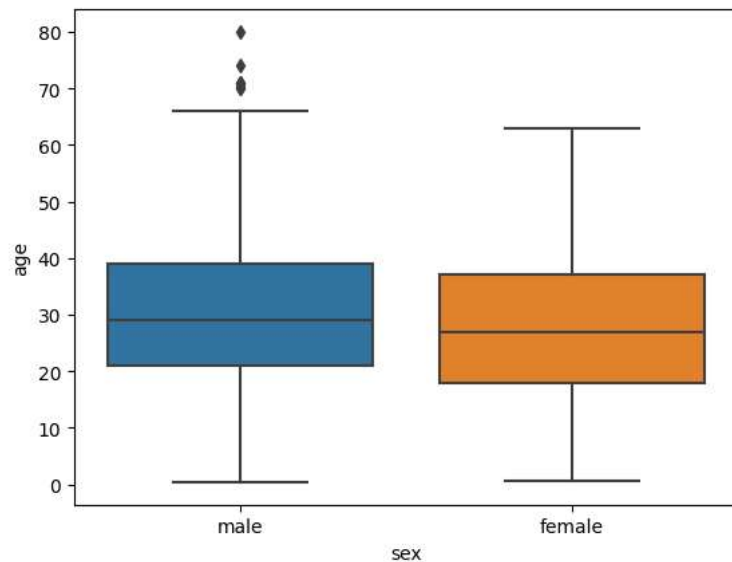2. Write observations on the inference from the above statistics.

```
import seaborn as sns
dataset = sns.load_dataset('titanic')
dataset.head()
```

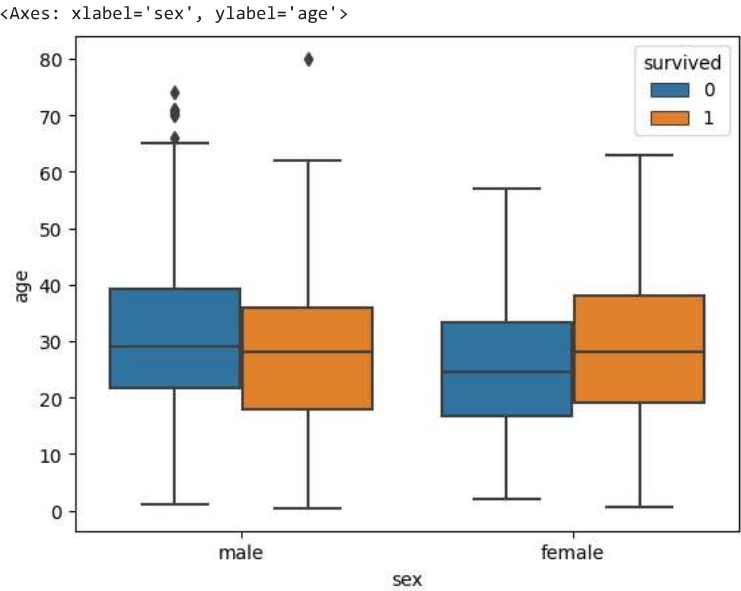|	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	a
0	0	3	male	22.0	1	0	7.2500	S	Third	man	
1	1	1	female	38.0	1	0	71.2833	C	First	woman	
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	
3	1	1	female	35.0	1	0	53.1000	S	First	woman	
4	0	3	male	35.0	0	0	8.0500	S	Third	man	

Double-click (or enter) to edit

```
sns.boxplot(x='sex',y='age',data=dataset)
```

    <Axes: xlabel='sex', ylabel='age'>


```
sns.boxplot(x='sex',y='age',data=dataset,hue='survived')
```

```
<Axes: xlabel='sex', ylabel='age'>
```


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