DSBDA Lab Assignment No. 9

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Import Libraries

In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
import math
import numpy as np
import seaborn as sns
```

Import Dataset

In [2]:
```
df= sns.load_dataset('titanic')
```

In [3]:
```
df
```

Out[3]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_mal
0	0	3	male	22.0	1	0	7.2500	S	Third	man	Tru
1	1	1	female	38.0	1	0	71.2833	C	First	woman	Fals
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	Fals
3	1	1	female	35.0	1	0	53.1000	S	First	woman	Fals
4	0	3	male	35.0	0	0	8.0500	S	Third	man	Tru
...	...	...	...	...	...	...	...	...	...	...	
886	0	2	male	27.0	0	0	13.0000	S	Second	man	Tru
887	1	1	female	19.0	0	0	30.0000	S	First	woman	Fals
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	Fals
889	1	1	male	26.0	0	0	30.0000	C	First	man	Tru
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	Tru

891 rows × 15 columns

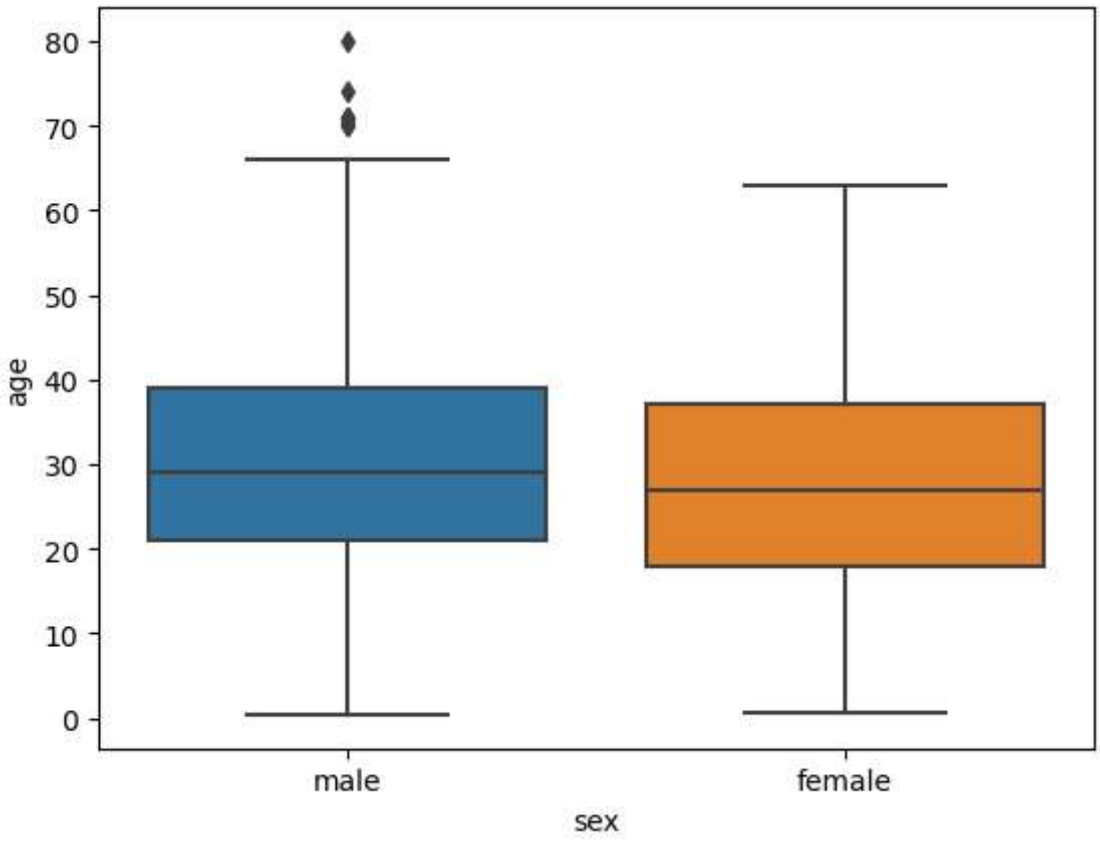
In [5]:
```
df.head()
```

Out[5]:

	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	
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	
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	

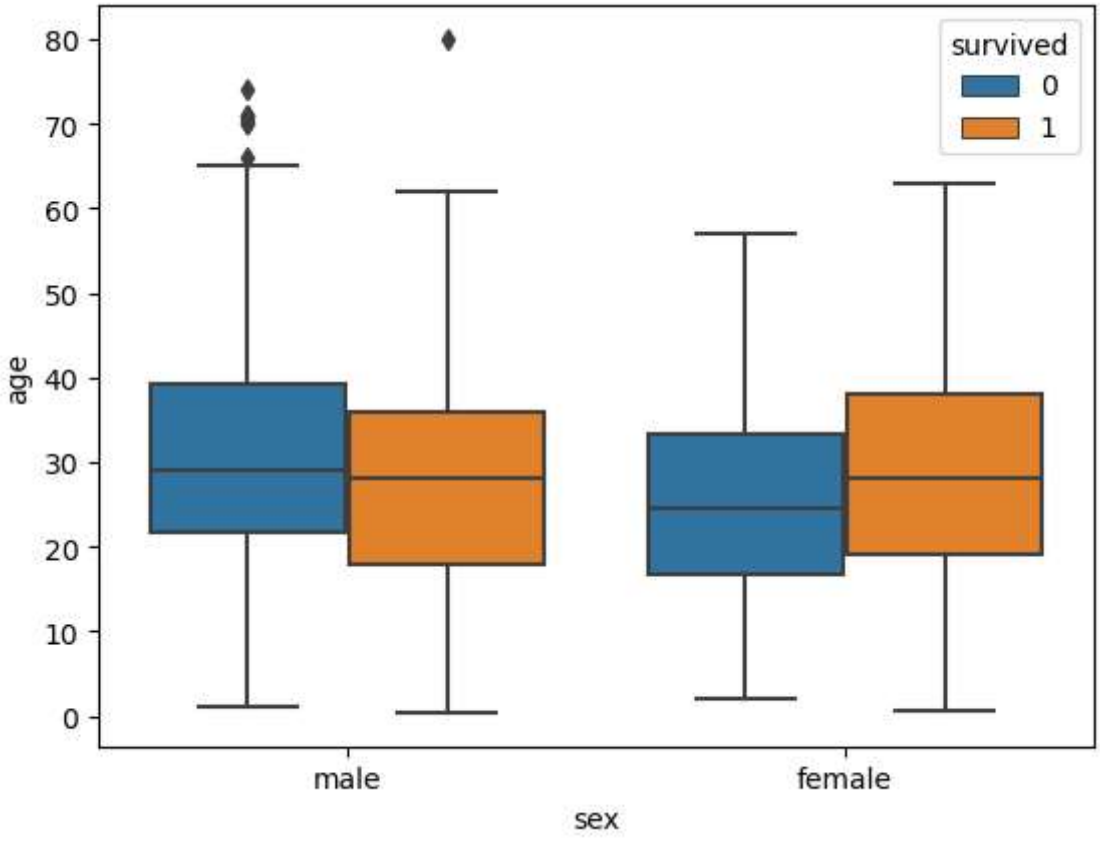
In [6]:
```
sns.boxplot(x='sex', y='age', data=df)
```

Out[6]:
```
<AxesSubplot:xlabel='sex', ylabel='age'>
```



In [7]:
```
sns.boxplot(x='sex', y='age', data=df, hue="survived")
```

Out[7]:
```
<AxesSubplot:xlabel='sex', ylabel='age'>
```



In [ ]:
```

```