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Practical 9: Use the inbuilt dataset 'Titanic' as used in previous experiment . Plot a box plot for distribution of age with respect to each gender along the information anout wheather they survived or not.(Cloumn name 'sex' and 'age')

Import seaborn library

```
import seaborn as sns
```

Load the Titanic dataset using seaborn

```
df = sns.load_dataset('titanic')
```

Select only the 'sex', 'age', and 'survived' columns from the dataset

```
df = df[['sex','age','survived']]
```

Display the modified dataframe

```
df
```

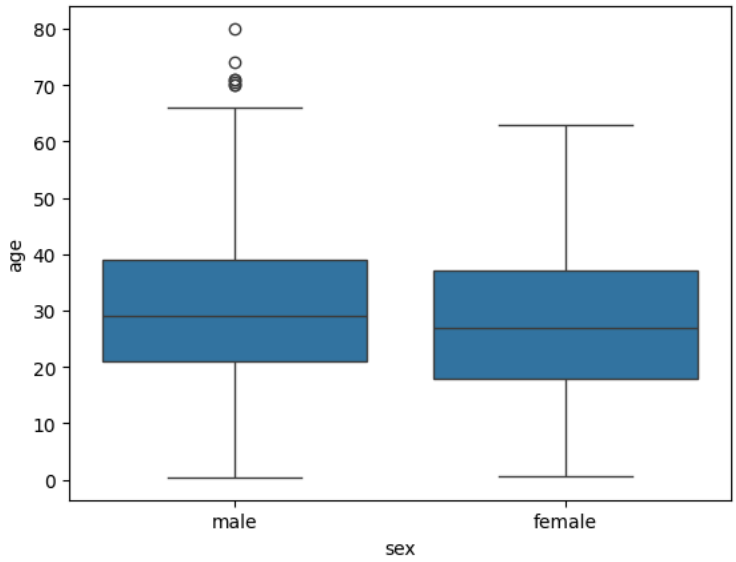
	sex	age	survived
0	male	22.0	0
1	female	38.0	1
2	female	26.0	1
3	female	35.0	1
4	male	35.0	0
...	...	...	...
886	male	27.0	0
887	female	19.0	1
888	female	NaN	0
889	male	26.0	1
890	male	32.0	0

891 rows × 3 columns

Create a box plot to visualize the distribution of age by sex

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

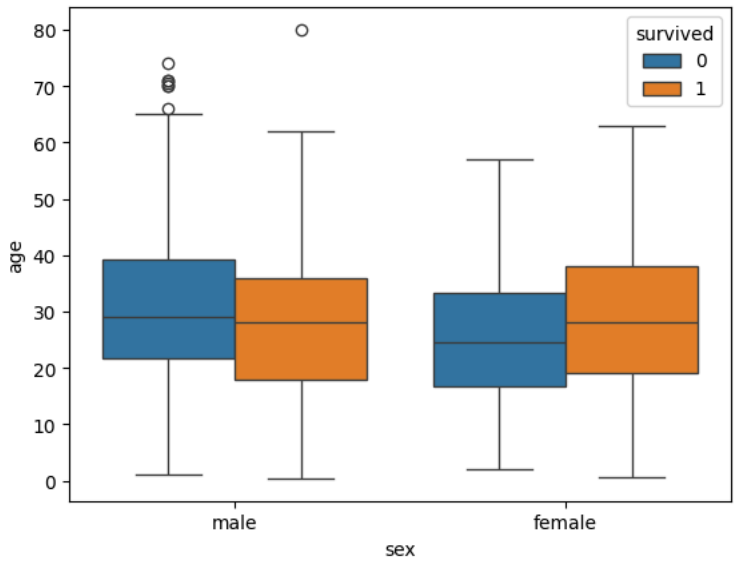
```
<Axes: xlabel='sex', ylabel='age'>
```



Create a box plot to visualize the distribution of age by sex and survival status

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

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



Start coding or generate with AI.