

```
In [3]: import pandas as pd
```

```
In [4]: import seaborn as sns
```

```
In [12]: import matplotlib.pyplot as plt
```

```
In [5]: dataset = pd.read_csv(r'C:\Users\Dell\dsbda\titanic.csv')
```

```
In [6]: dataset.head()
```

```
Out[6]:
```

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	Na
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...)	female	38.0	1	0	PC 17599	71.2833	C8
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	Na
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C12
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	Na

In [7]: `dataset.tail()`

Out[7]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.00	NaN
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	30.00	B42
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.45	NaN
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	30.00	C148
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	7.75	NaN

In [9]: `dataset.isnull()`

Out[9]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Emb
0	False	False	False	False	False	False	False	False	False	False	True	
1	False	False	False	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	False	False	True	
3	False	False	False	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	False	False	True	
...	...	...	...	...	...	...	...	...	...	...	...	
886	False	False	False	False	False	False	False	False	False	False	True	
887	False	False	False	False	False	False	False	False	False	False	False	
888	False	False	False	False	False	True	False	False	False	False	True	
889	False	False	False	False	False	False	False	False	False	False	False	
890	False	False	False	False	False	False	False	False	False	False	True	

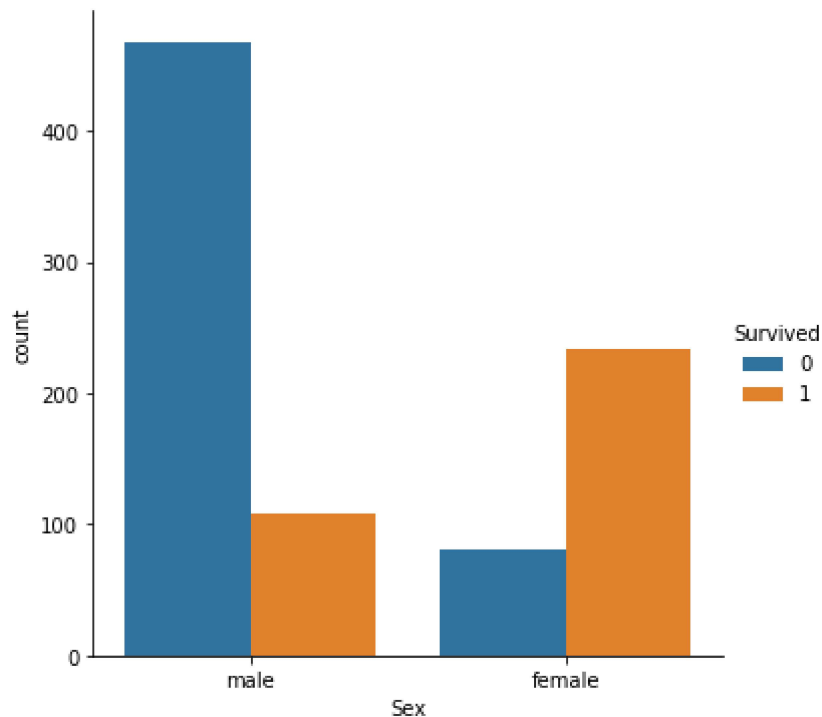
891 rows × 12 columns

```
In [10]: dataset.isnull().sum()
```

```
Out[10]: PassengerId      0  
Survived      0  
Pclass      0  
Name      0  
Sex      0  
Age      177  
SibSp      0  
Parch      0  
Ticket      0  
Fare      0  
Cabin      687  
Embarked      2  
dtype: int64
```

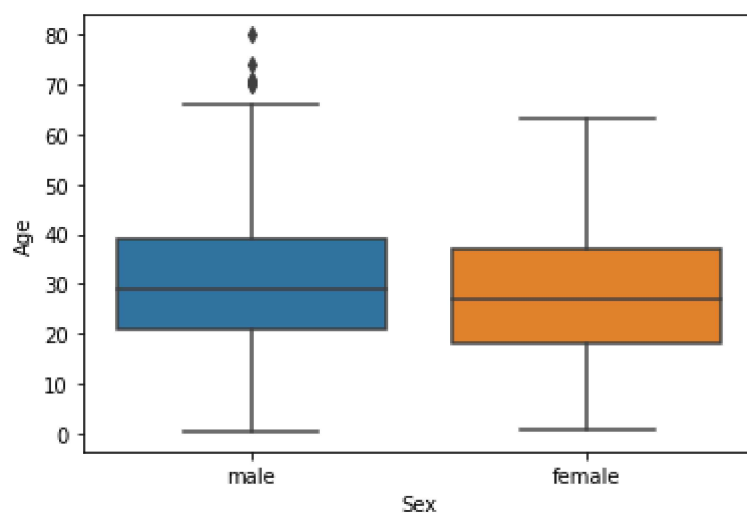
```
In [15]: sns.catplot(x="Sex", hue="Survived", kind="count", data= dataset)
```

```
Out[15]: <seaborn.axisgrid.FacetGrid at 0x1e6637fa0d0>
```



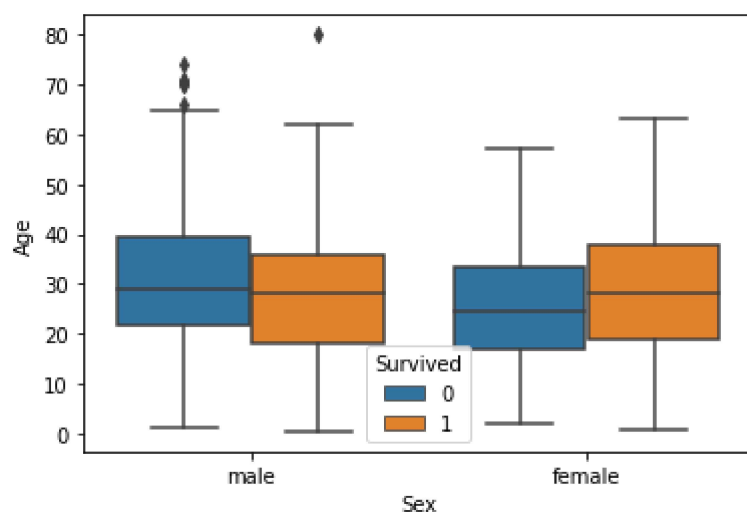
```
In [16]: sns.boxplot(x="Sex", y="Age", data=dataset)
```

```
Out[16]: <AxesSubplot:xlabel='Sex', ylabel='Age'>
```



```
In [23]: sns.boxplot(x="Sex", y="Age", data=dataset, hue="Survived" )
```

```
Out[23]: <AxesSubplot:xlabel='Sex', ylabel='Age'>
```



```
In [ ]:
```

