In [1]:
```
#Import required libraries
import pandas as pd
```

In [2]:
```
df = pd.read_csv('IRIS.csv')
```

In [3]:
```
df.isnull().sum()
```

Out[3]:
```
sepal_length    0
sepal_width     0
petal_length    0
petal_width     0
species         0
dtype: int64
```

In [4]:
```
df.describe()
```

Out[4]:

	sepal_length	sepal_width	petal_length	petal_width
count	150.000000	150.000000	150.000000	150.000000
mean	5.843333	3.054000	3.758667	1.198667
std	0.828066	0.433594	1.764420	0.763161
min	4.300000	2.000000	1.000000	0.100000
25%	5.100000	2.800000	1.600000	0.300000
50%	5.800000	3.000000	4.350000	1.300000
75%	6.400000	3.300000	5.100000	1.800000
max	7.900000	4.400000	6.900000	2.500000

In [6]:
```
df.columns = ['Sepal_Length', 'Sepal_Width', 'Petal_Length', 'Petal_Width', 'Speci
```

In [7]:
```
df.shape
```

Out[7]:
```
(150, 5)
```

In [8]:
```
df.dtypes
```

Out[8]:
```
Sepal_Length    float64
Sepal_Width     float64
Petal_Length    float64
Petal_Width     float64
Species          object
dtype: object
```

In [9]:
```
df['Species'] = pd.Categorical(df['Species'])
```

In [10]:
```
df.dtypes
```

Out[10]:
```
Sepal_Length     float64
Sepal_Width      float64
Petal_Length     float64
Petal_Width      float64
Species         category
dtype: object
```