**import pandas as pd**

**import matplotlib.pylab as plt**

**import numpy as np**

**from sklearn.preprocessing import** MinMaxScaler

2.

url=r”path and filename”

df=pd.read\_csv(url)

df.head();

df.tail(5)

df.info()

df.describe()

df.isnull()

df.isnull().sum()

df.notnull()

df.describe()

print("Shape of the dataset:", df.shape)

print("**\n**Columns:")

print(df.columns.tolist())

df.dtypes

print(df.columns)

*# Convert species column to categorical (for efficiency)*

df['Species'] = df['Species'].astype('category')

#normalization

scaler = MinMaxScaler()

df[['SepalLengthCm', 'SepalWidthCm', 'PetalLengthCm', 'PetalWidthCm']] = scaler.fit\_transform(

df[['SepalLengthCm', 'SepalWidthCm', 'PetalLengthCm', 'PetalWidthCm']]

)

df.head()