import numpy as np

import pandas as pd

data = pd.read\_csv("Boston.csv")

data.head()

data.tail()

print("The shape of the data is: ")

data.shape

data.isnull().sum()

#define the independant and dependant variables from the dataset

X = data.iloc[:,0:13]

y = data.iloc[:,-1]

#spliting data into training and testing dataset

from sklearn.model\_selection import train\_test\_split

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.20,random\_state=42)

#shapes of the training and testing dataset

print(X\_train.shape)

print(X\_test.shape)

print(y\_train.shape)

print(y\_test.shape)

#importing linear regression() function

from sklearn.linear\_model import LinearRegression

from sklearn.preprocessing import StandardScaler

from sklearn.pipeline import make\_pipeline

model = make\_pipeline(StandardScaler(with\_mean=False), LinearRegression())

model.fit(X\_train, y\_train)

model.score(X\_test,y\_test)