**Simple Linear Regression**

import numpy as nm

import matplotlib.pyplot as mtp

import pandas as pd

data\_set= pd.read\_csv('heart\_data.csv')

x= data\_set.iloc[:, :-1].values

y= data\_set.iloc[:, 1].values

# Splitting the dataset into training and test set.

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

x\_train, x\_test, y\_train, y\_test= train\_test\_split(x, y, test\_size= 0.4, random\_state=0)

#Fitting the Simple Linear Regression model to the training dataset

from sklearn.linear\_model import LinearRegression

regressor= LinearRegression()

regressor.fit(x\_train, y\_train)

#Prediction of Test and Training set result

y\_pred= regressor.predict(x\_test)

from sklearn.metrics import r2\_score

Accuracy=r2\_score(y\_test,y\_pred)

print(Accuracy\*100)