import numpy as np

import pandas as pd

import matplotlib.pyplot as plt

%matplotlib inline

df=pd.read\_csv("housing\_prices.csv")

df

x=df.iloc[:,:3].values

y=df.iloc[:,3].values

print(x[:5])

print(y[:5])

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

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.2,random\_state=100)

print(x\_train.shape)

print(x\_test.shape)

print(x\_train.shape)

print(x\_test.shape)

from sklearn.linear\_model import LinearRegression

mlr\_model= LinearRegression(fit\_intercept=True)

mlr\_model.fit(x\_train,y\_train)

print(mlr\_model.intercept\_) # (PRICE=(-4481.80028058845)+8.65903854)\*AREA

print(mlr\_model.coef\_)#y=c+mx

print(mlr\_model.score(x\_train,y\_train))

print(mlr\_model.score(x\_test,y\_test))