import numpy as np

import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

%matplotlib inline

companies=pd.read\_csv("1000\_Companies.csv")

X=companies.iloc[:,:-1].values

y=companies.iloc[:,4].values

companies.head()

sns.heatmap(companies.corr())

X = X[:, 1:]

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=0)

from sklearn.linear\_model import LinearRegression

regressor= LinearRegression()

regressor.fit(X\_train, y\_train)

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

print(y\_pred)

from sklearn.metrics import r2\_score

r2\_score(y\_test, y\_pred)