import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

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

from sklearn.preprocessing import MinMaxScaler

from sklearn.linear\_model import LogisticRegression

from sklearn.metrics import accuracy\_score

data = pd.read\_csv('E:\\Latha\\JG\_MCA\\MachineLearning\\Diabetic\\diabetes.csv', encoding='latin-1')

data

sns.heatmap(data.isnull())

correlation = data.corr()

print(correlation)

X = data.drop("Outcome", axis = 1)

Y = data["Outcome"]

X\_train, X\_test, Y\_train, Y\_test = train\_test\_split(X, Y ,test\_size = 0.2,random\_state = 54)

X\_train

# model fit

model = LogisticRegression(C=1)

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

predictions = model.predict(X\_test)

predictions

accuracy = accuracy\_score(predictions, Y\_test)

print(accuracy)