import pandas as pd

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

from sklearn.preprocessing import StandardScaler

from sklearn.linear\_model import LogisticRegression

from sklearn.metrics import confusion\_matrix, accuracy\_score

print("Ajay Tiwari, 31")

dataset = pd.read\_csv("diabetes.csv") print(dataset.head()) print(dataset.shape)

x = dataset.iloc[:, [0, 1, 2, 3, 4, 5, 6, 7]].values y = dataset.iloc[:, [-1]].values

print(x)

print(y)

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

sc = StandardScaler()

x\_train = sc.fit\_transform(x\_train)

x\_test = sc.transform(x\_test)

print(x\_train[0:15, :])

classifier = LogisticRegression() classifier.fit(x\_train, y\_train)

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

cm = confusion\_matrix(y\_test, y\_pred) print("Confusion Matrix :\n", cm)

print("Accuracy :", accuracy\_score(y\_test, y\_pred))