import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

from sklearn.svm import SVC

from sklearn.neighbors import KNeighborsClassifier

from sklearn.metrics import accuracy\_score

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

import pandas as pd

import io

df = pd.read\_csv('/content/drive/MyDrive/SWM.csv.csv')

df.head()

nine = df.iloc[4, 1:]

x = df.drop('target', axis=1)

y = df['target']

x\_train, x\_test, y\_train, y\_test = train\_test\_split(x, y, test\_size=0.25, random\_state=42)

from sklearn.neighbors import KNeighborsClassifier

knn = KNeighborsClassifier(n\_neighbors=3)

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

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

accuracy = accuracy\_score(y\_test, y\_pred)

print(f'Accuracy of KNN classifier: {accuracy \* 100:.2f}%')

y\_predict=knn.predict(x\_test)

y\_predict

from sklearn.metrics import classification\_report

print(classification\_report(y\_test, y\_predict))