**SMS Classifier : Develop a text classification model to classify SMS as either spam or non-spam using data science techniques in Python.**

import pandas as pd

from sklearn.feature\_extraction.text import TfidfVectorizer

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

from sklearn.naive\_bayes import MultinomialNB

from sklearn.metrics import accuracy\_score, classification\_report

# Load the dataset

data = pd.read\_csv('sms\_spam.csv')

# Data preprocessing

data['text'] = data['text'].str.replace('[^\w\s]', '')

data['text'] = data['text'].str.lower()

# Feature extraction

tfidf = TfidfVectorizer(stop\_words='english')

X = tfidf.fit\_transform(data['text'])

y = data['label']

# Splitting the dataset into training and testing sets

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2, random\_state=42)

# Model training

model = MultinomialNB()

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

# Model evaluation

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

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

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