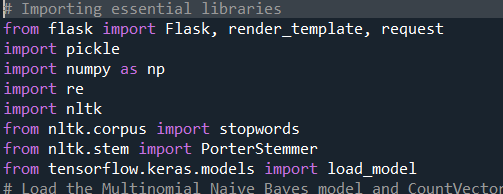
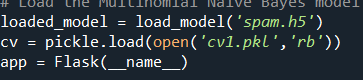
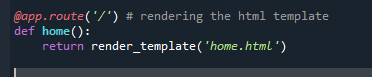
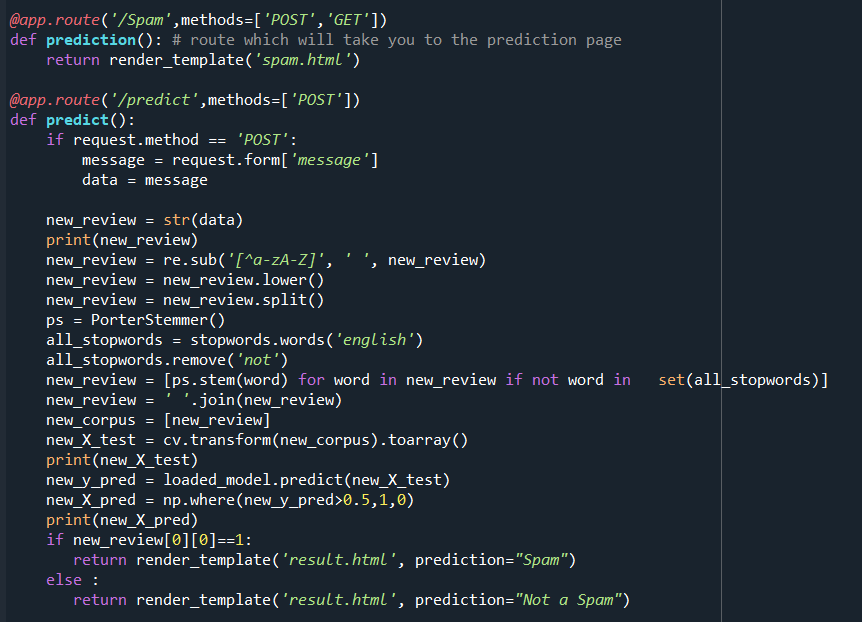
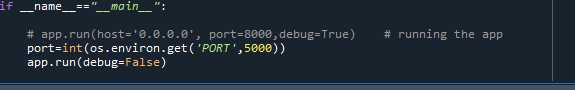
**PYTHON SCRIPT**











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

cm=confusion\_matrix(y\_test,y\_pr)

score=accuracy\_score(y\_test,y\_pr)

print(cm)

print('Accuracy Score Is:-',score\*100)

model.save('spam.h5')

from flask import Flask,render\_template,request

import pickle

import numpy as np

import re

import nltk

from nltk.corpus import stopwords

from nltk.stem import PorterStember

from tensorflow.keras.models import load model

loaded\_model=load\_model('spam.h5')

cv=pickle.load(open('cv1.pkl','rb'))

app=Flask(\_name\_)

@app.route('/')#rendering the html template

def home()

return render\_template('home.html')

@app.route('/spam',methods=['POST','GET'])

def prediction():#route which will take you to the prediction page

return render\_template('spam.html')

@app.route('/predict',methods=['POST'])

def predict():

if request.method=='POST':

message=request.form['message']

data=message

new\_review=str(data)

print(new\_review)

new\_review=re.sub('[a^-zA-Z]','',new\_review)

new\_review=new\_review.lower()

new\_review=new\_review.split()

ps=PoterStemmer()

all\_stopwords=stopwpords.words('english')

all\_stopwords.remove('not')

new\_review=[ps.stem(word) for word in new\_review if not word in set(all\_stopwords)]

new\_review-''.join(new\_review)

new\_corpus[new\_review]

new\_x\_test=cv.transform(new\_corpus.toarray()

print(new\_x\_test)

new\_y\_pred=loaded\_model.predict(new\_x\_test)

new\_x\_pred=np.where(new\_y\_pred>0.5,1,0)

print(new\_x\_pred)

if new\_review[0][0]==1:

return render\_template('result.html',prediction="spam")

else:

return render\_template('result.html',prediction="not a spam")

if\_name\_=="\_main\_":

#app.run(host='0.0.0.0',port=8000,debug=True) #running the app

port=int(os.environ.get('PORT',5000))

app.run(debug=False)

base)D:\TheSmartBridge\projects\2.DrugClassification\Drug

From flask import flask,render\_template,request

Import pickle

Import numpy as np

Import re

Import nltk

From nltk.corpus import stopwords

From tensorflow.keras.models import load\_model

Loaded\_model=load\_model('spam.h5')

CV=pickle.load(open('cv1.pkl','rb'))

App=flask(name)

@app.route('/')

Def home():

Return render\_template('home.html')

@app.router('/spam'methods=['post','get'])

Def prediction():

Return render\_template('spam.html')

@app.route('/predict',methods=['post'])

Def predict():

If request.method=='post':

Message=request.form['message']

Data=message

New\_review=str(data)

Print(new\_review)

New\_review=re.sub('[^a-za-z]','',new\_review)

New\_review=new\_review.lower()

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New\_review=[ps.stem(word)for word in new\_review if not word in set(all\_stopwords)]

New\_review=''.join(new\_review)

New\_corpus=[new\_review]

New\_x\_test=CV.transform(new\_corpus).toarray()

Print(new\_x\_test)

New\_y\_pred=loaded\_model.predict(new\_x\_test)

New\_x\_pred=np.where(new\_y\_pred>0.5,1,0)

Print(new\_x\_pred)

If new\_review[0][0]==1:

Return render\_template('result.html',prediction="spam")

Else:

Return render\_template('result.html',prediction="not a spam")

If\_name\_=="main\_":

Port=int(os.environ.get('port',5000))

App.run(debug=false