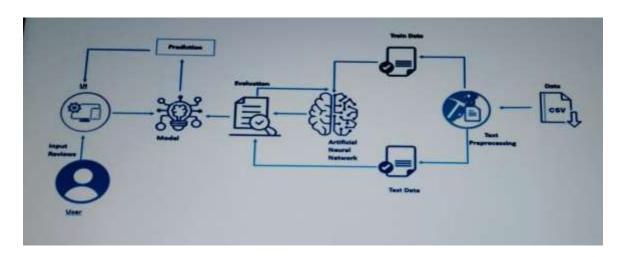
AMAZON KINDLE STORE REVIEWS ANALYSIS USING IBM WATSON SERVICES

PROJECT OBJECTIVE

Know fundamental concepts and techniques of natural language processing (NLP)

- Gain a broad understanding of text data.
- Know how to pre-process/clean the data using different text preprocessing techniques.
- Know how to build a neural network.
- Know how to build a web application using the Flask framework

BLOCK DIAGRAM



HARDWARE / SOFTWARE DESIGNING

The following is the Hardware required to complete this project:

- Internet connection to download and activate
- Administration access to install and run Anaconda Navigator
- Minimum 10GB free disk space
- Windows 8.1 or 10 (64-bit or 32-bit version) OR Cloud: Get started free, *Cloud account required. Minimum System Requirements To run Office Excel 2013, your computer needs to meet the following minimum hardware requirements:
- 500 megahertz (MHz)
- 256 megabytes (MB) RAM
- 1.5 gigabytes (GB) available space
- 1024x768 or higher resolution monitor

The following are the software required for the project:

- Google Colaboratory Notebook and Jupyter Notebook
- Spyder and Pycharm Community
- Microsoft Excel 2013

PROJECT FLOW

below the project flow to be followed while developing the project.

- User interacts with the UI (User Interface) to enter the review
- Entered review is analysed by the model which is integrated
- Once the model analyses the input prediction is showcased on the UI

To accomplish this, we have to complete all the activities and tasks listed below

• Data Collection.

Collect the dataset or Create the dataset

• Text Preprocessing.

Import the Libraries.
Importing the dataset.
Remove Punctuations
Convert each word into lower case.
Stemming.
Splitting Data into Train and Test.

• Model Building

Import the model building Libraries
Initializing the model
Adding Input Layer
Adding Hidden Layer
Adding Output Layer
Configure the Learning Process
Training and testing the model
Optimize the Model o Save the Model

• Application Building

Create an HTML file Build Python Code

6.RESULT



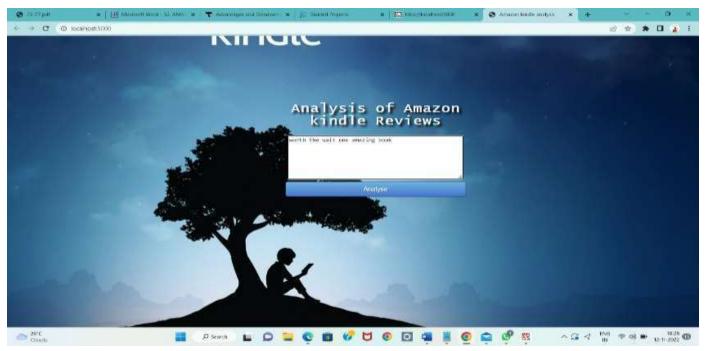
HOMEPAGE



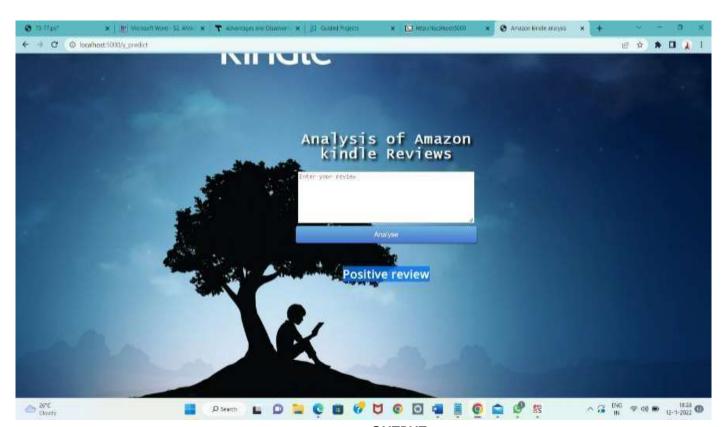


REVIEW ANALYSIS PAGE

OUTPUT



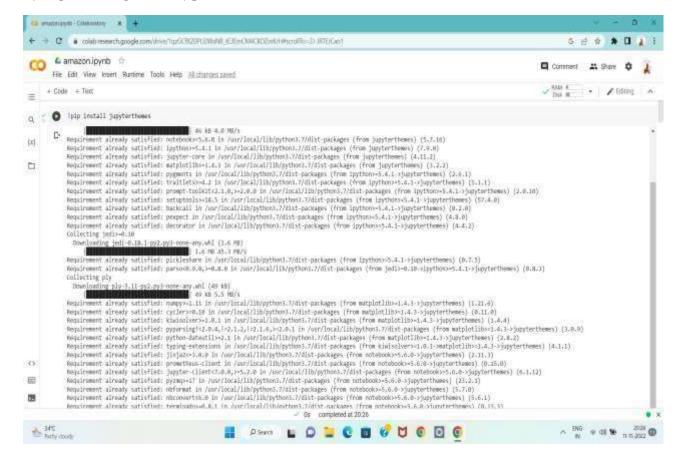
REVIEW ANALYSIS

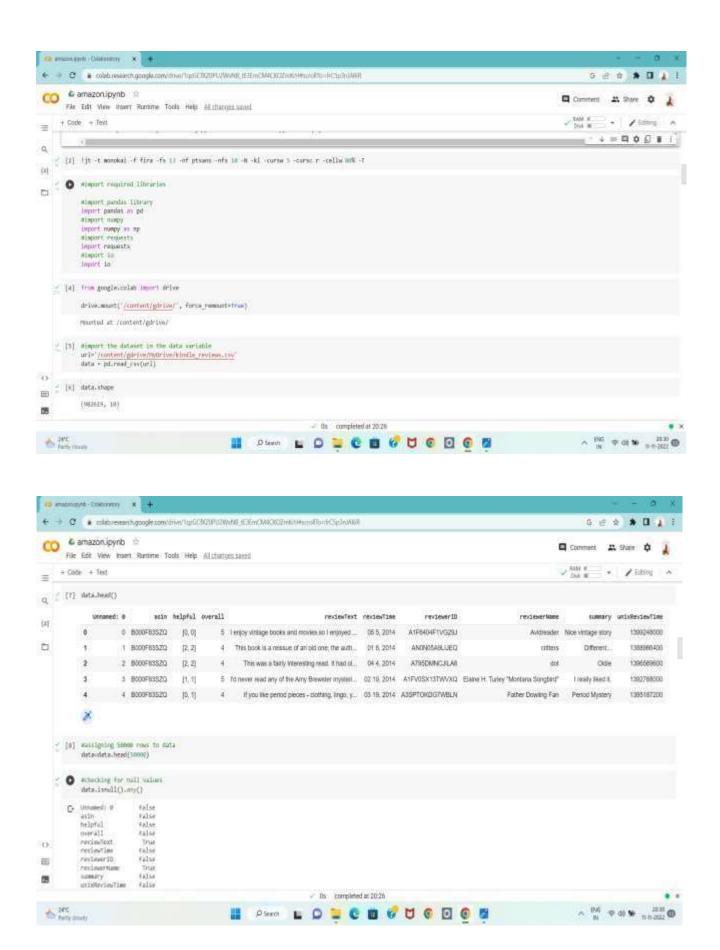


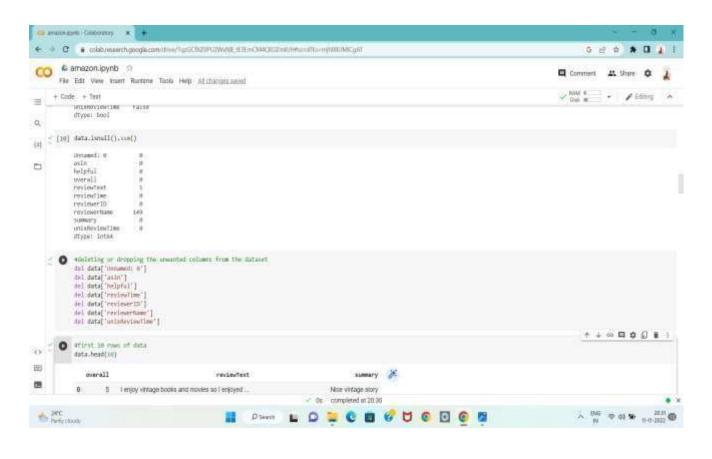
OUTPUT

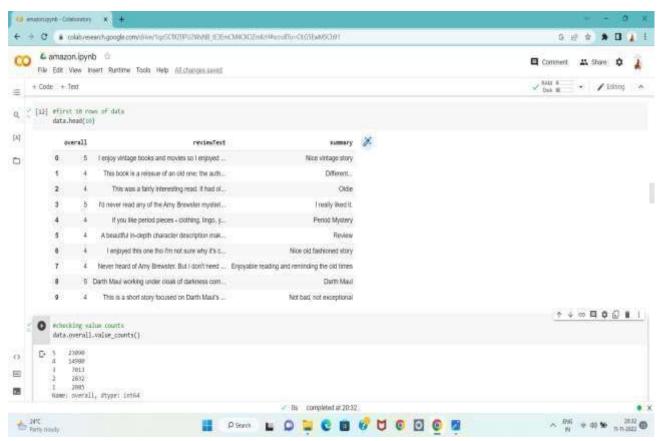
9.CODE SNIPPETS

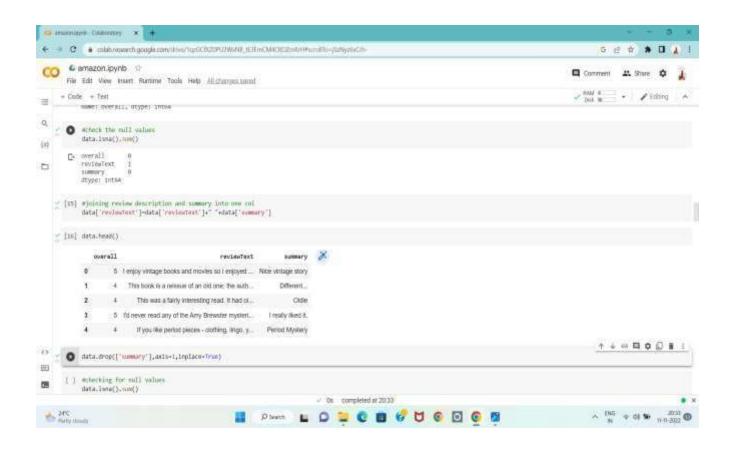
A.MODELBUILDING

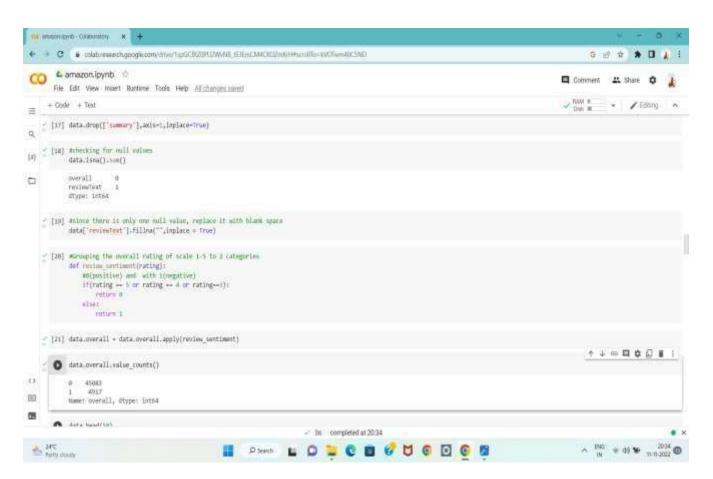


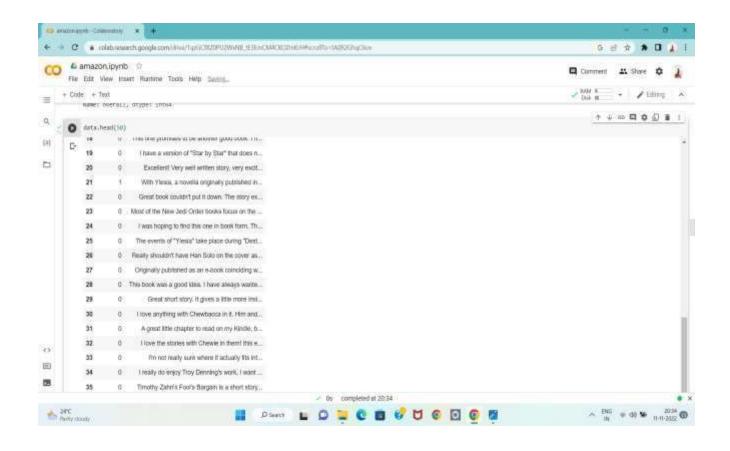


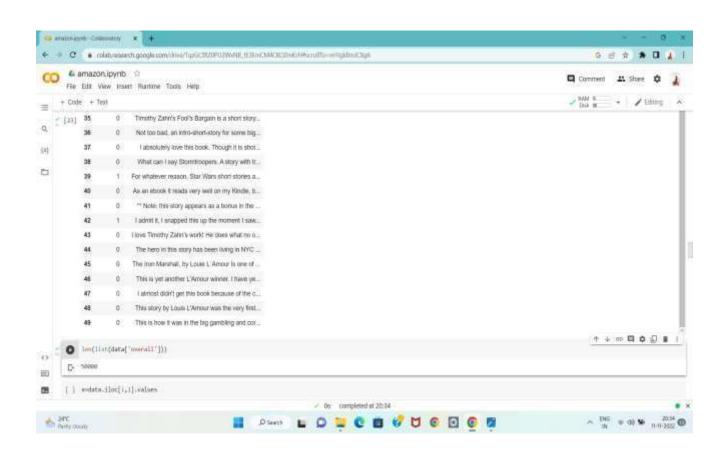


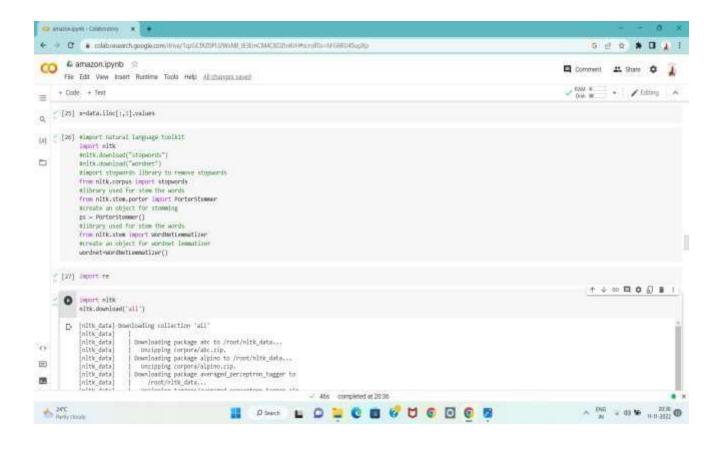


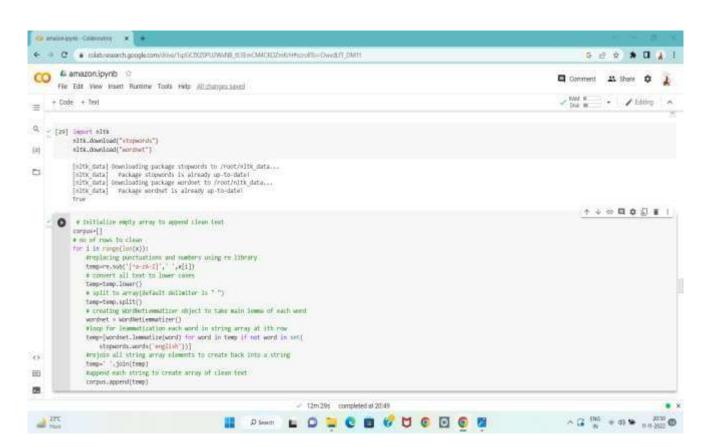


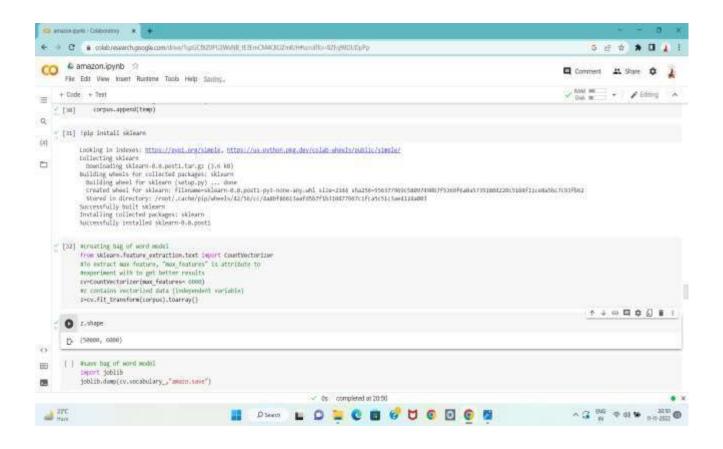


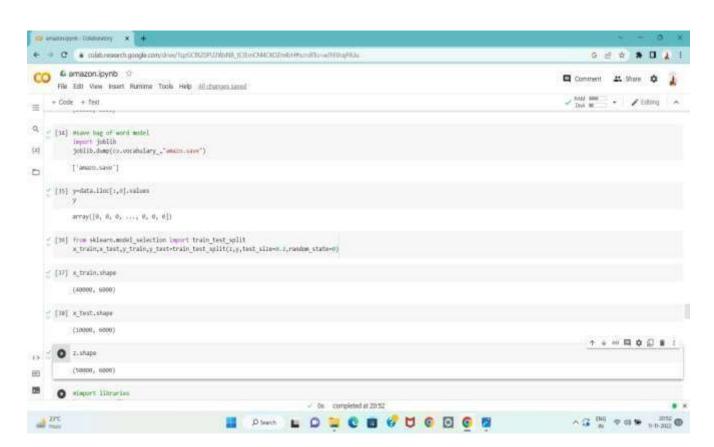


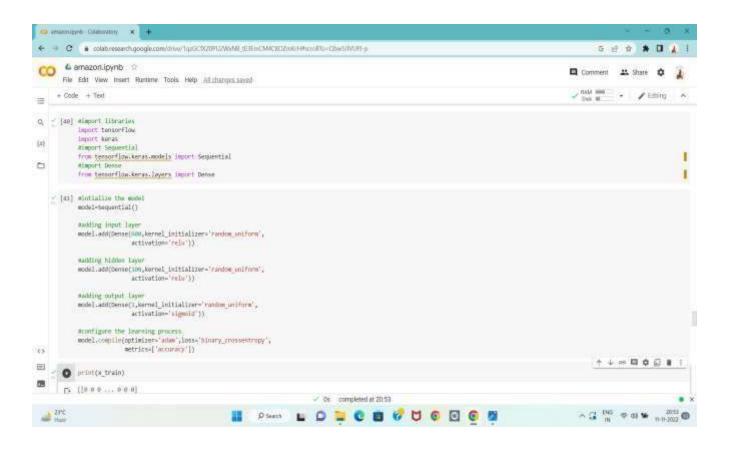


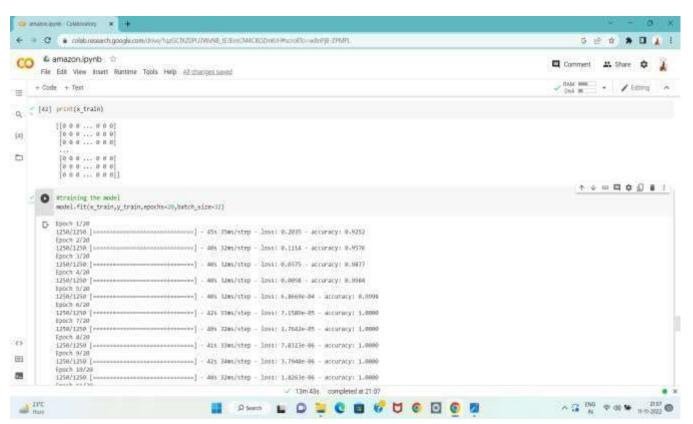


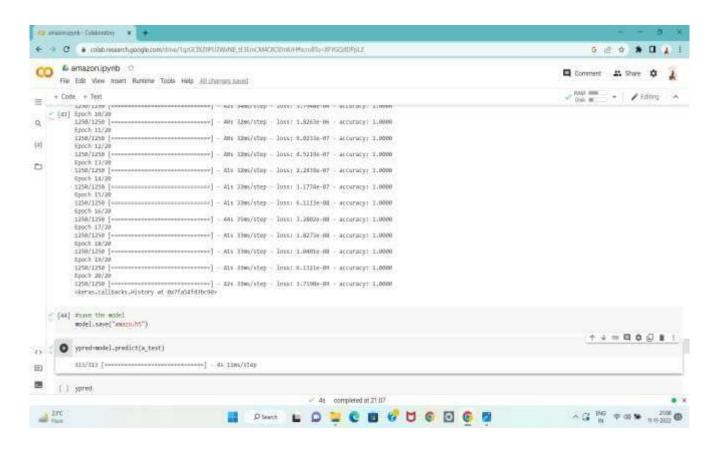


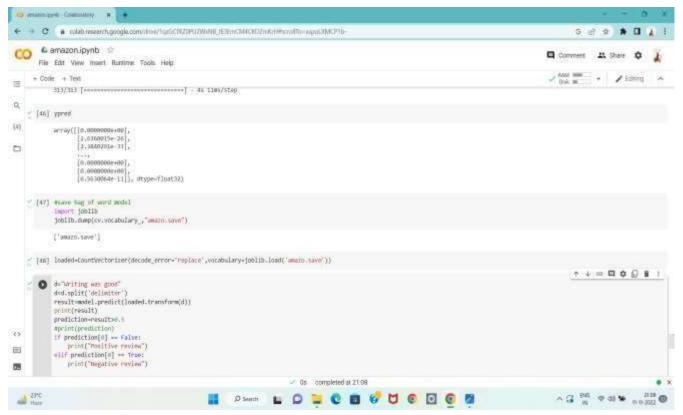


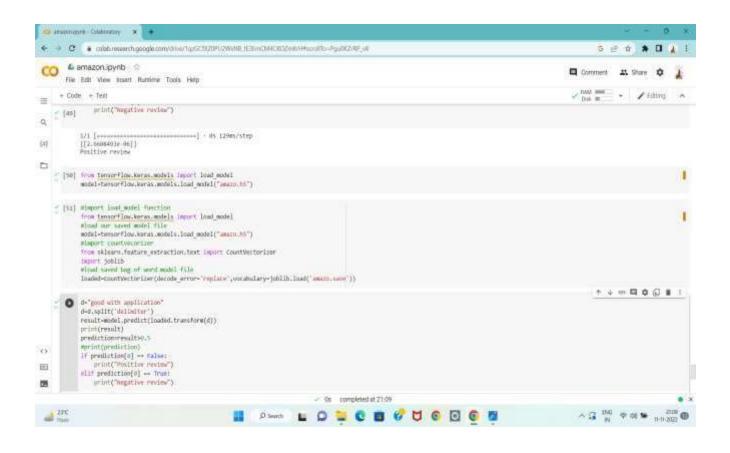


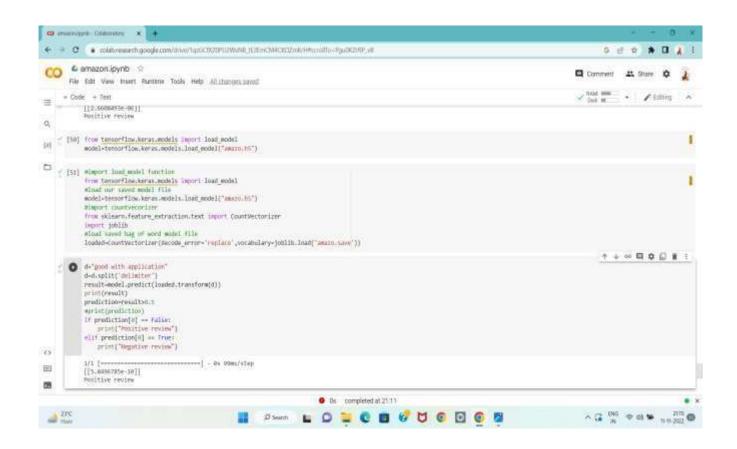








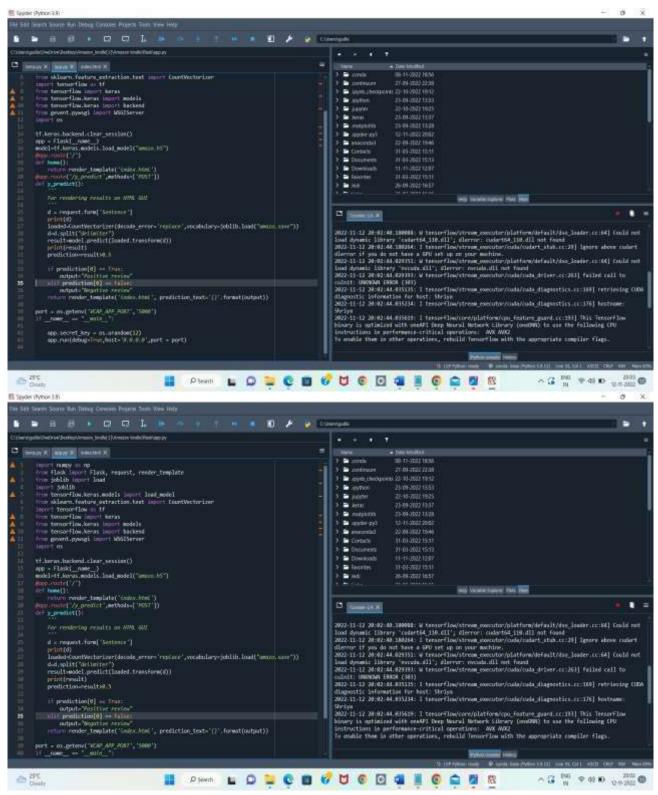




APPLICATION BUILDING

HTML CODE AND PYTHON CODE

1.App.py code[FLASK]



2.Html code

