PYTHON PROJECT REPORT

Project Title : Web Automation

Name : Jaison Paul Ebinezar

Skill : Python

ID : CO23090526811168

Qualification : DEEE(2021-2023)

JAISON PAUL EBINEZAR

PROJECT:

- Web Automation Using in Python
- python learning webpage(DJANGO)

EDUCATION:

DIPLOMA IN EEE

Priyadharshini polytechnic college , Tirupattur.

(2021 -2023)

SSLC

Grace Baptist school,Tirupattur.

(2019 - 2020)

SOFT SKILLS:

- Python
- Django
- Html,Css,Javascript,Booststrap
- Mysql,dbbrowser

To secure responsible career opportunity to fully utilize my knowledge and skills while making a significant contribution to success of the success of the company and to gain my knowledge and experience

PROFILE

Student Id	:CO230905Z681168
Age	: 20
Father Name	:Dhanasekaran
Mother Name	: Malar
Nationality	: Indian
Religion	: Christian
Marital satus	: Single

LANGUAGE KNOWN

Tamil(Read,Write,Speak)
English(Read,Write,Speak)

CONTACT

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Web Automation

Web automation in python is the process of using python scripts to control web browsers and perform tasks on the web[12].To do web automation in python, you need to[12]:

- Install pyttsx3, pyttsx3 s a text-to-speech conversion library in Python. Unlike alternative libraries, it works offline and is compatible with both Python 2 and 3. An application invokes the pyttsx3.init() factory function to get a reference to a pyttsx3. Engine instance. it is a very easy to use tool which converts the entered text into speech. The pyttsx3 module supports two voices first is female and the second is male which is provided by "sapi5" for windows. It supports three TTS engines : Install a web driver, such as ChromeDriver or FirefoxDriver, to communicate with the browser.

- Install SpeechRecognition library acts as a wrapper for several popular speech APIs and is thus extremely flexible. One of these—the Google Web Speech API—supports a default API key that is hard-coded into the SpeechRecognition library. That means you can get off your feet without having to sign up for a service.

- In Python, date and time are not data types of their own, but a module named DateTime can be imported to work with the date as well as time. Python Datetime module comes built into Python, so there is no need to install it externally.

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- In this tutorial you'll learn advanced Python web automation techniques: using with a "headless" browser, exporting the scraped data to CSV files, and wrapping your scraping code in a Python class.
- Python has a number of libraries that can be used for speech recognition. One such library is SpeechRecognition1. It is a full-featured and easy-to-use Python speech recognition library that supports several engines and APIs, both online and offline. The library supports the following speech recognition engines/APIs: CMU Sphinx, Google Speech Recognition, Google Cloud Speech API, Wit.ai, Microsoft Azure Speech, Microsoft Bing Voice Recognition (Deprecated), Houndify API, IBMSpeech to Text, Snowboy Hotword Detection, Tensorflow, Vosk API, OpenAI whisper, and Whisper API1.
- To install the library, you can use pip by running the following command in your terminal:

Python

- pip install SpeechRecognition
- AI-generated code. Review and use carefully. More info on FAQ.
- After installing, you can quickly try it out by running the following command Python -m speech_recognition AI-generated code. Review and use carefully..
- For more details on how to use the library, you can refer to the library reference or the examples provided in the repository1.

Source Code Link:

https://www.mediafire.com/file/d5dy05sku0iqalo/Project+source+code.pdf/file

WEB AUTOMATION

USES OF PYTHON

- Desktop Applications
- Web Application
- Game Development
- Machine Learning
- Artificial Intelligence

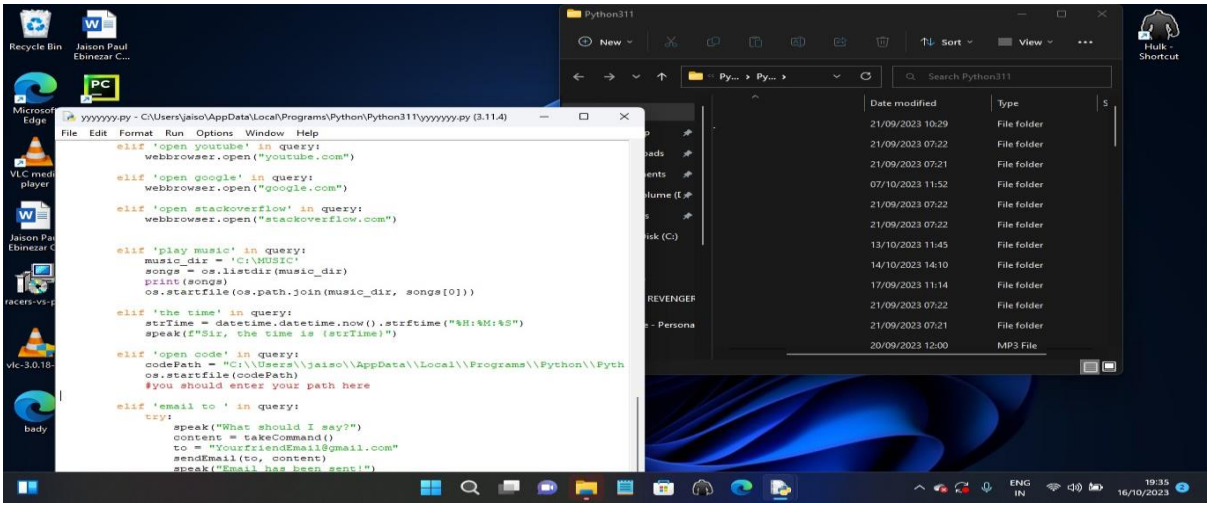
LIST OF MODULES

- Searching Wikipedia
- YouTube
- Face book
- Stack Overflow
- Play Music
- Time
- Serching Google

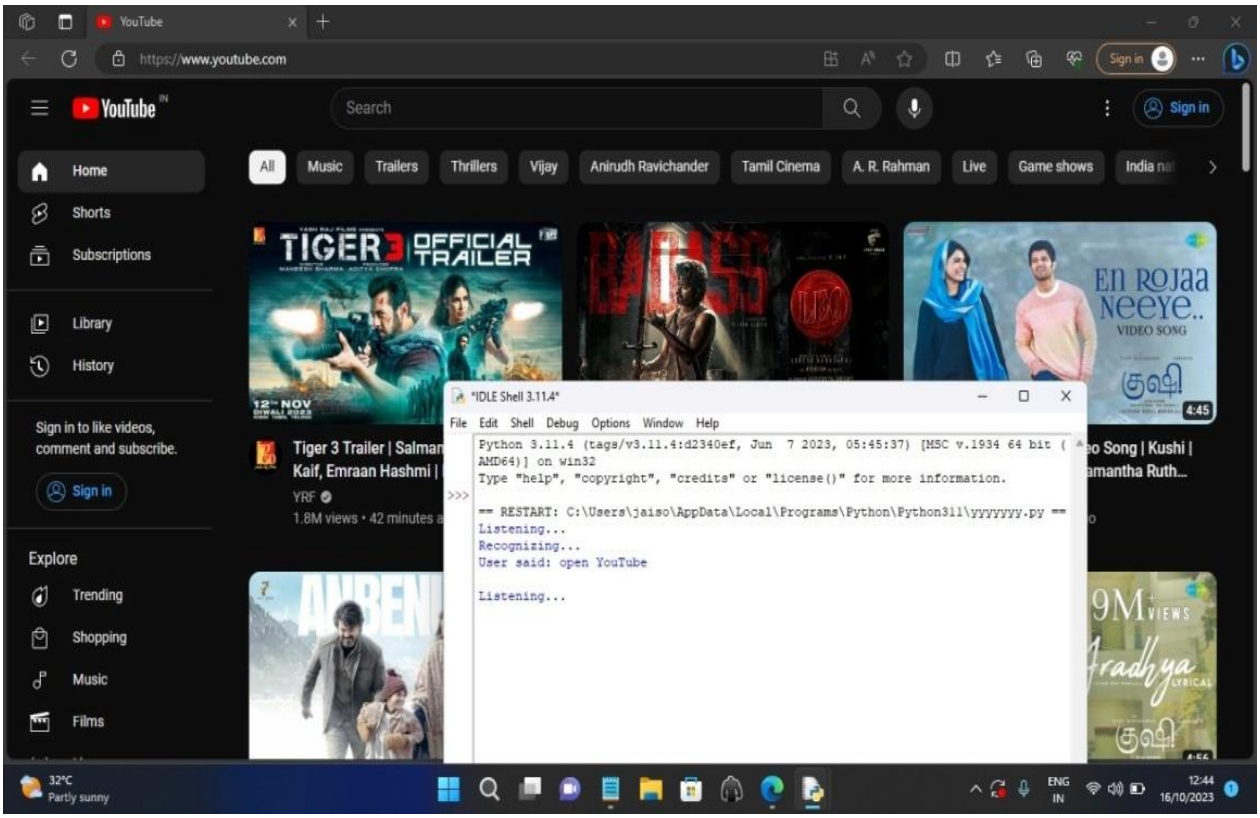
LIST OF IMPORT

- Import Pyttsx3
- Import Speech Recognition
- Import Date And Time
- Import Wikipedia
- Import Web Browser
- Import Os
- Import Smtplib

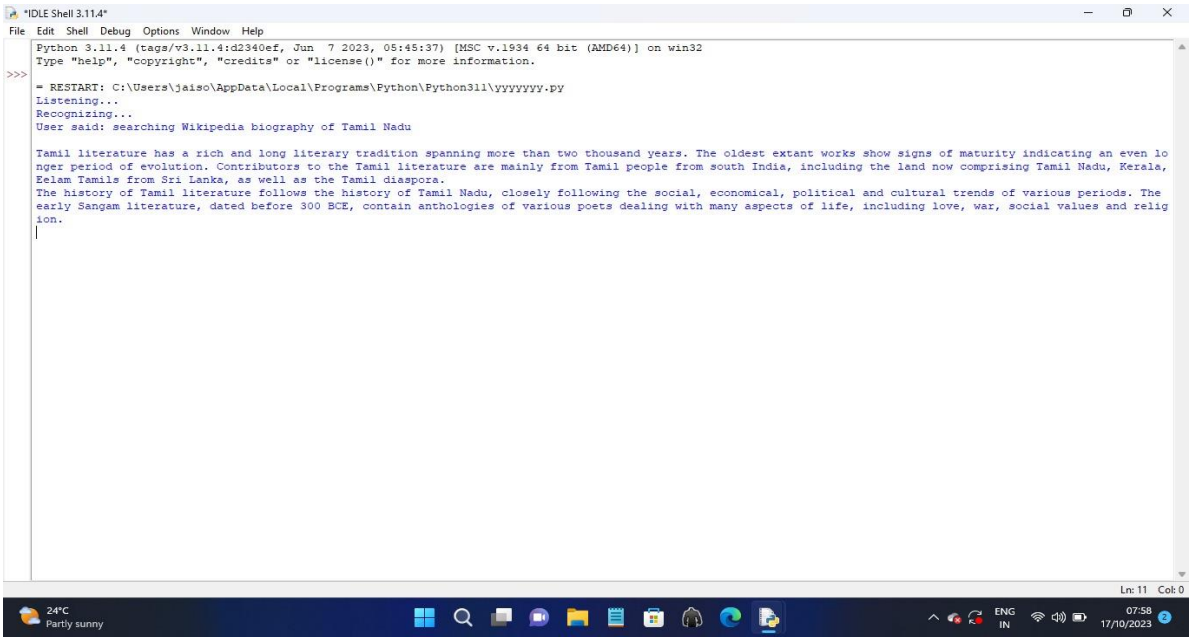
OUTPUTPAGE



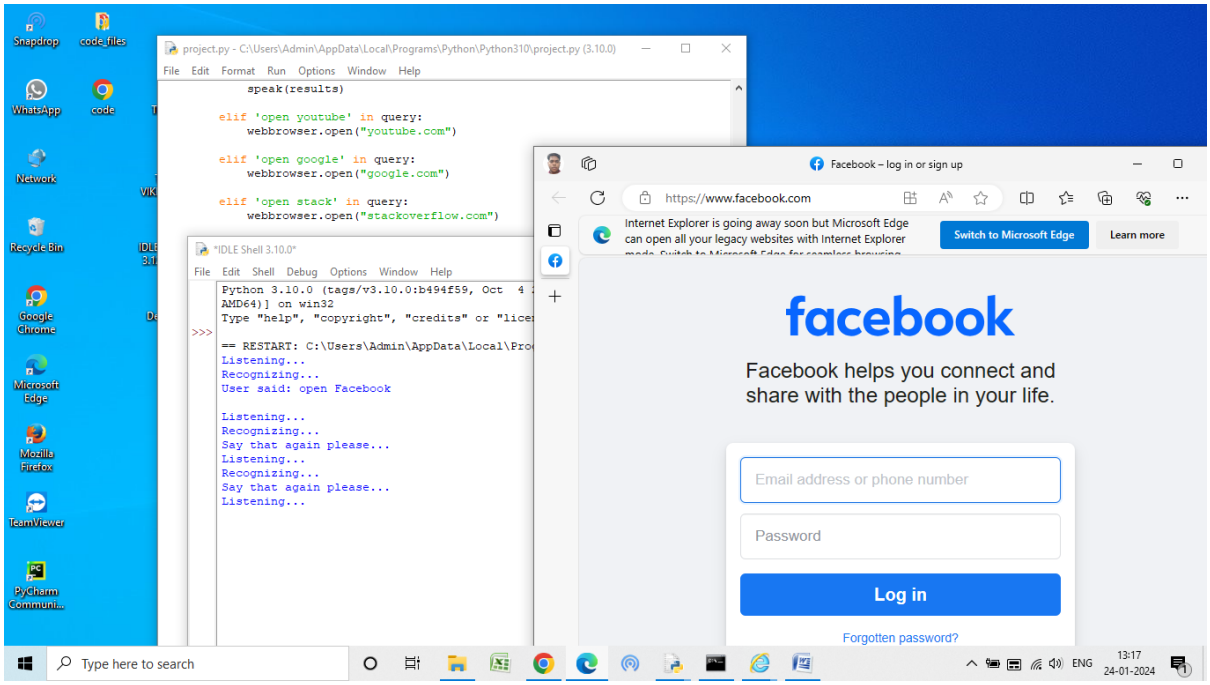
OPEN YOUTUBE



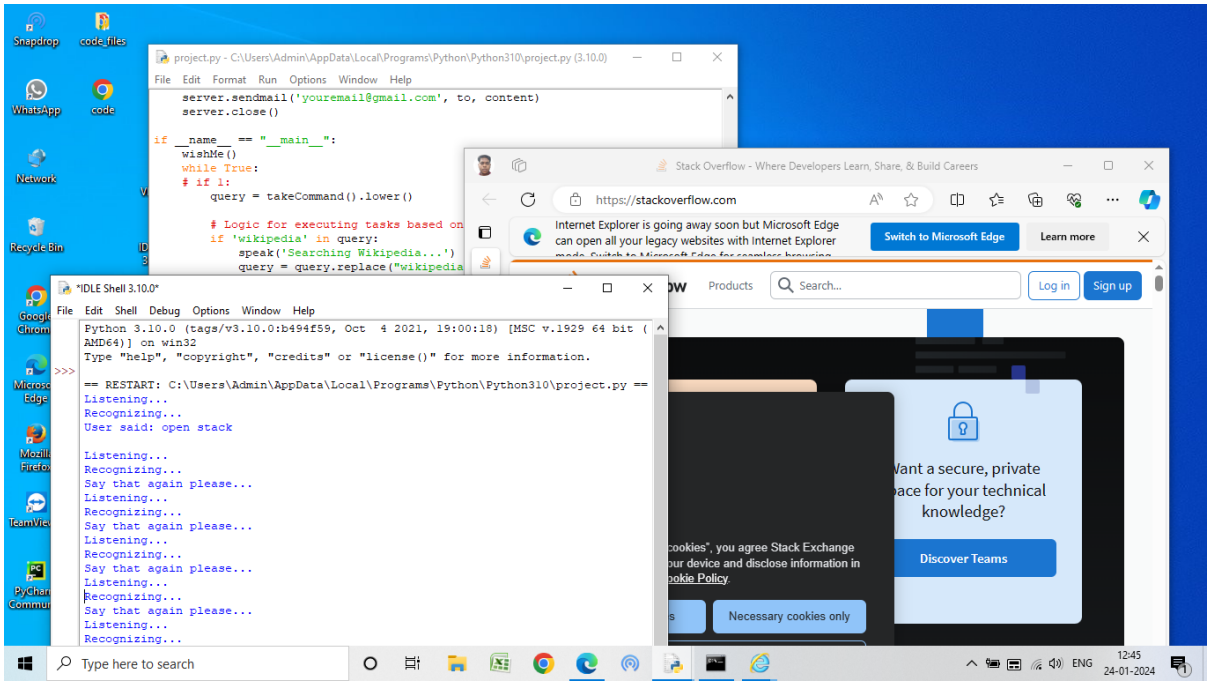
Searching Wikipedia



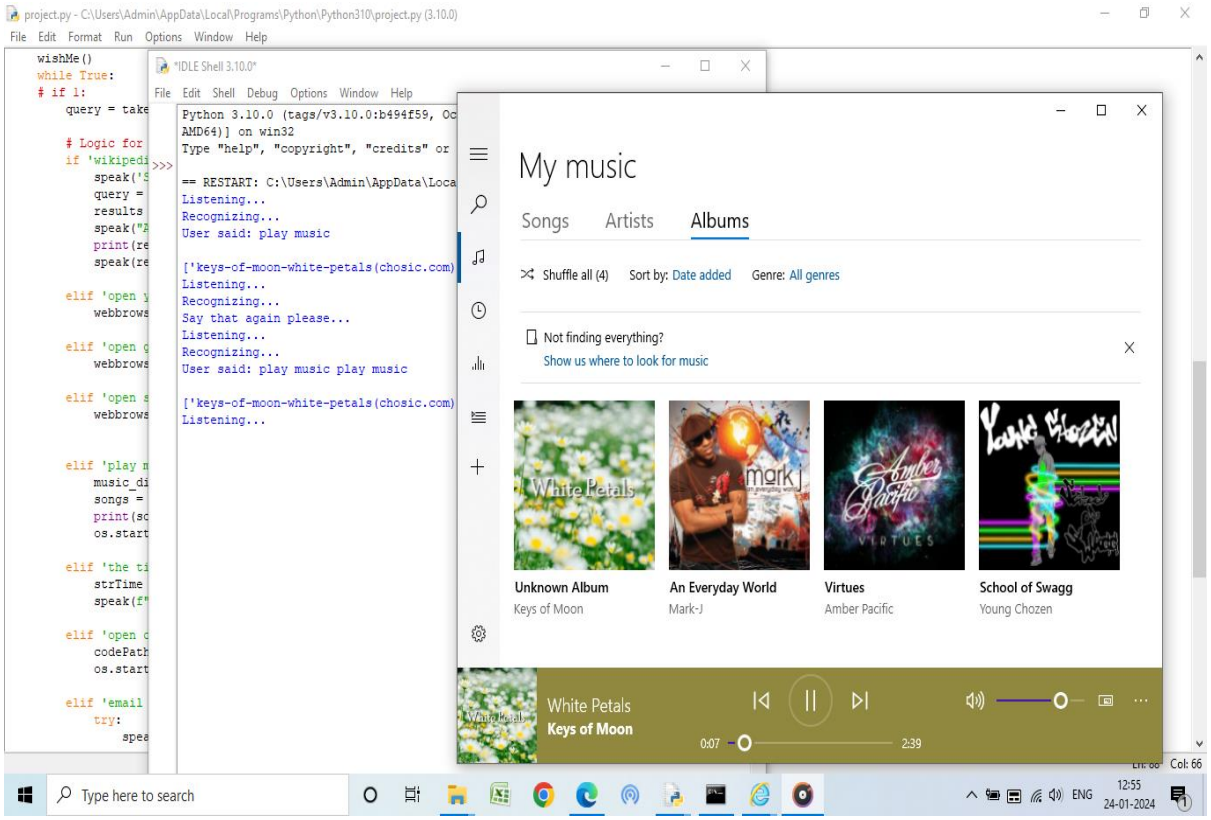
Open Facebook



Open Stackoverflow



Play Music



Conclusion

Tasks both general and in my field of data science. Pyttsx3 is a text-to-speech conversation library in python. The program will never lose focus and wander The technique of automating the web with Python works great for many off to wikipedia. It will faithfully carry out the same exact series of steps with perfect consistency .

Student Sign

(Jaison Paul Ebinezar.D)

Staff Sign

(Radhika.R)