

REPORT FOR CHATBOT

As a project work for Course

PYTHON PROGRAMMING (INT 213)

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CHATBOT

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ABSTRACT:-

Chatbots, or conversational interfaces as they are also known, present a new way for individuals to interact with computer systems. Traditionally, to get a question answered by a software program involved using a search engine, or filling out a form. A chatbot allows a user to simply ask questions in the same manner that they would address a human. The most well known chatbots currently are voice chatbots: Alexa and Siri. However, chatbots are currently being adopted at a high rate on computer chat platforms

ACKNOWLEDGEMENT:-

I would like to thank my Subject teacher - **Md. Imran Hussain** for his advice and guidance on this project. Many thanks to my friends and seniors as well, who spent countless hours to listen and provide feedbacks.

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INTRODUCTION:-

2.1 Context

This project has been done as part of my course for the CSE at Lovely Professional University . Supervised by Md. Imran Hussain, I have some months to fulfil the requirements in order to complete the project.

2.2 Motivations

Being extremely interested in python I am very excited for making this project because in this project I am going to learn about some libraries and explore my knowledge in python .

LIBRARIES:-

Tkinter:-

This framework provides **Python users with a simple way to create GUI elements using the widgets found in** the Tk toolkit. Tk widgets can be used to construct buttons, menus, data fields, etc. in a Python application.

Pytsx3:-

pytsx3 is 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 `pytsx3. init()` factory function to get a reference to a `pytsx3`

Threading:-

Threading in python is used **to run multiple threads (tasks, function calls) at the same time**. Note that this does not mean that they are executed on different CPUs. Python threads will NOT make your program faster if it already uses 100 % CPU time.

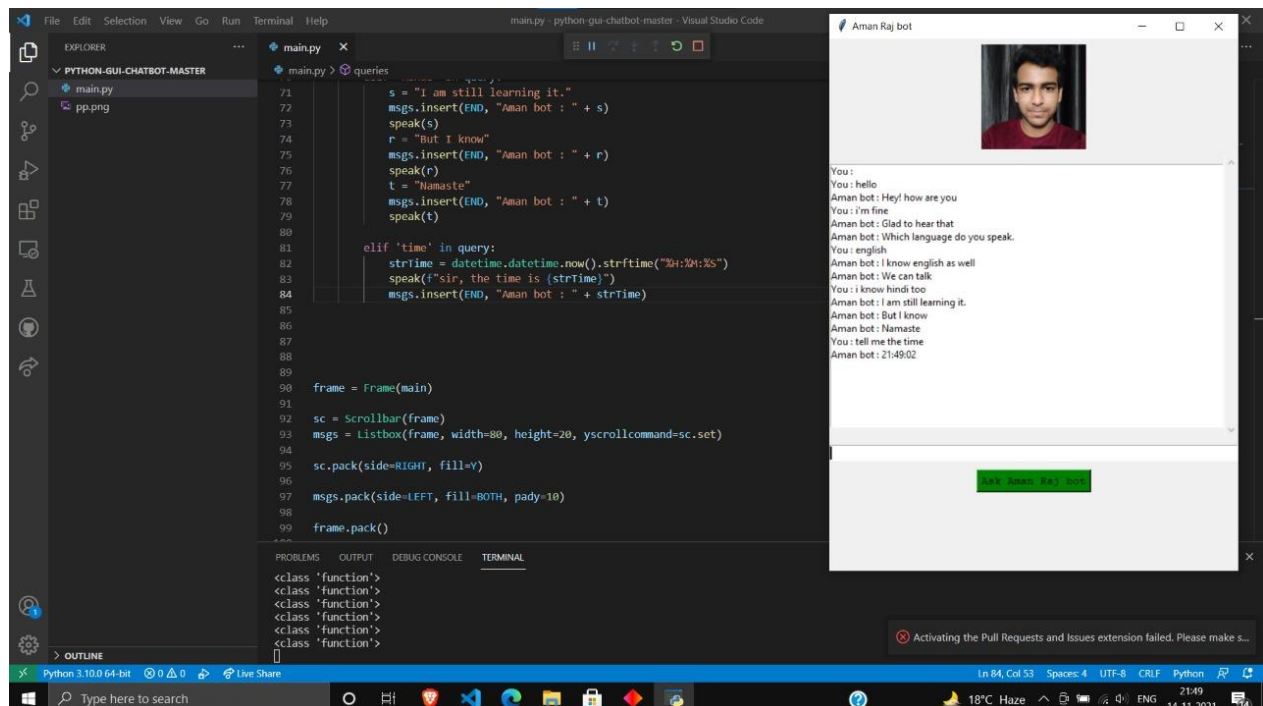
Datetime:-

Datetime. The datetime library provides **many tools for working with dates and times** in Python. We can easily get the current time, subtract two dates, or convert dates into custom-formatted strings using the datetime module. After importing the library, we create a datetime object with the datetime.

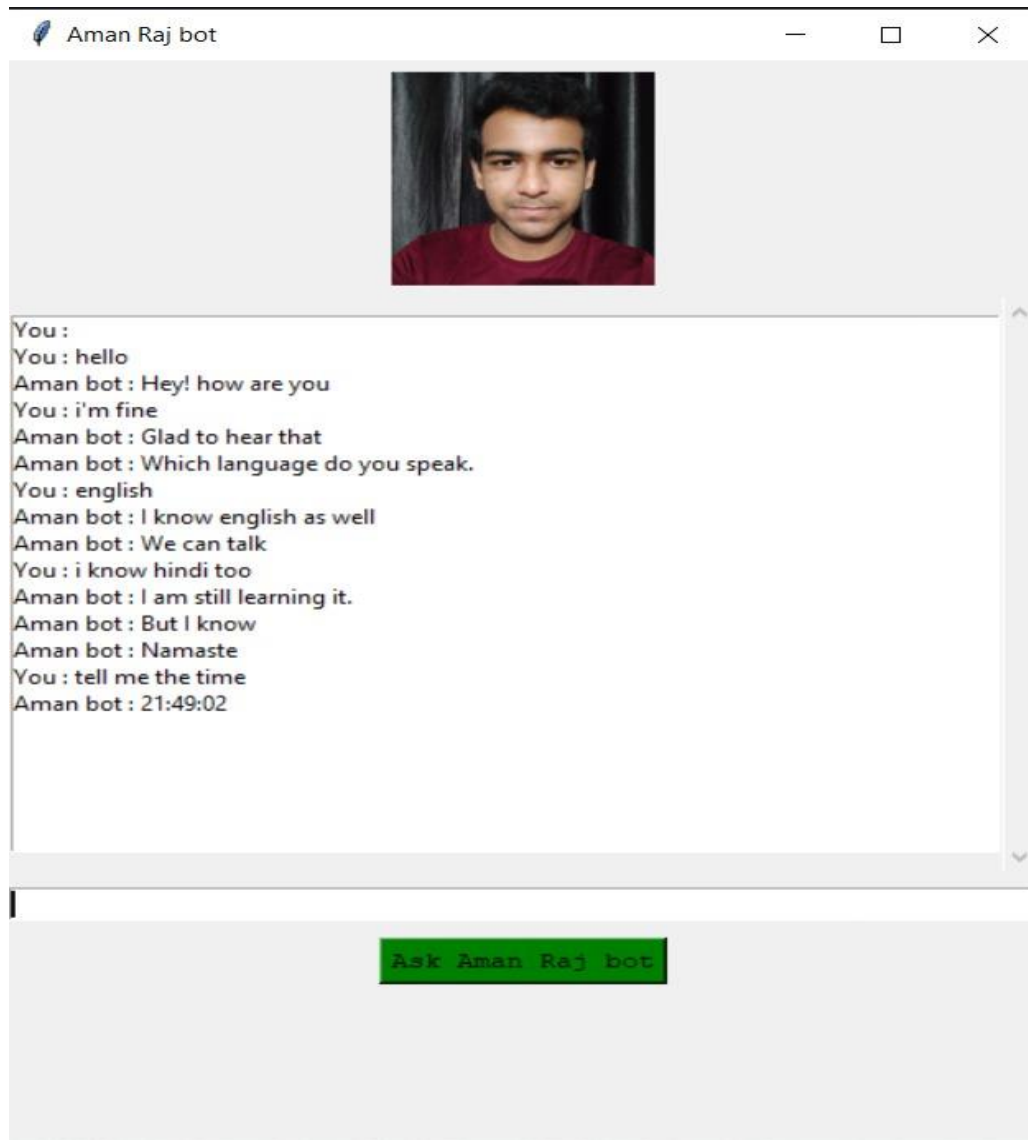
Basic Layout

SCREENSHOTS:-

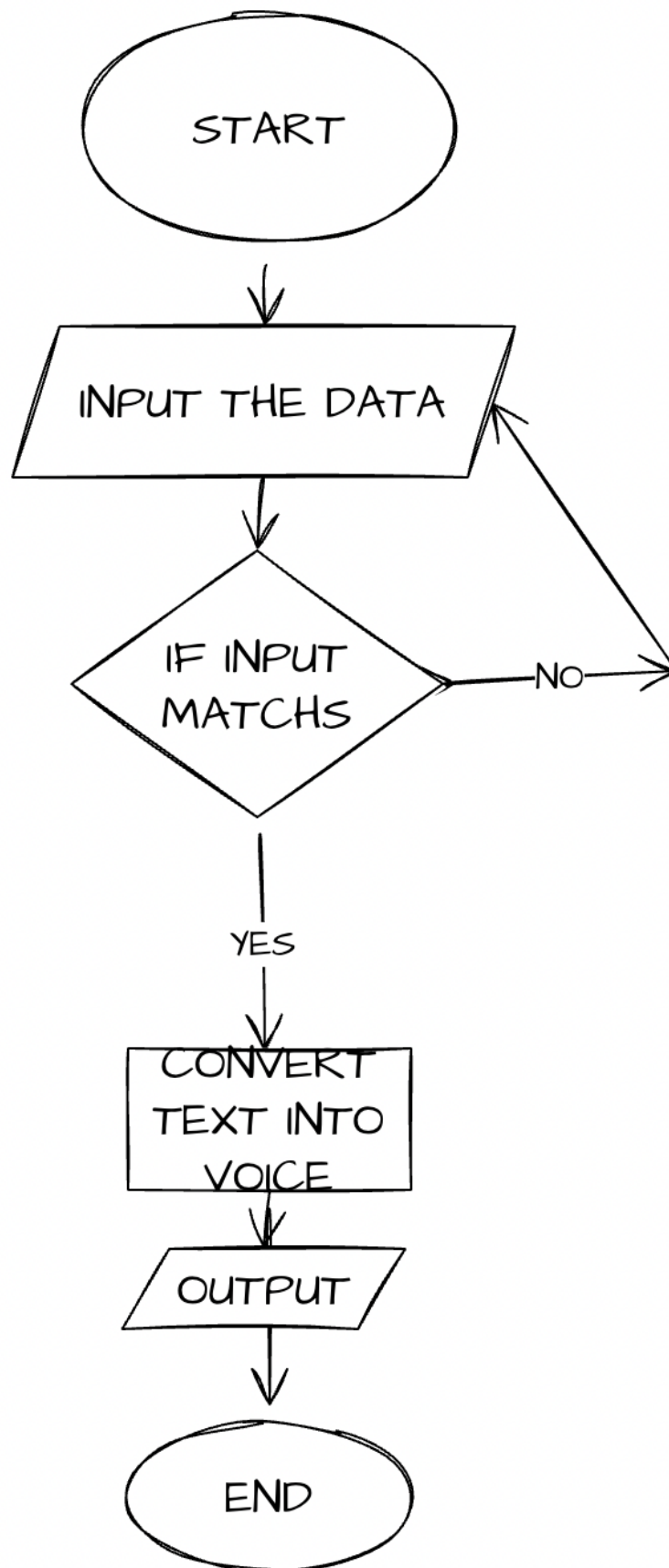
Coding With output



Output



Flow Diagram:-



Conclusions:-

In this project I am facing a lots of problems and I learn to solve those problems it will be helpful for my future and also I learn some of the libraries in python language and I really enjoy to make this project

REFERENCES:-

To conduct this project the following tools have been used :

- Tkinter (Library): <https://docs.python.org/3/library/tkinter.html>
- Pyttsx3 (Library) : <https://pypi.org/project/pyttsx3/>
- Threading (Library) :
<https://docs.python.org/3/library/threading.html>
- Datetime (Library):
<https://docs.python.org/3/library/datetime.html>
- My github : <https://github.com/amanraj23/Chatbot>