

F.R.I.D.A.Y.

(Female Replacement Intelligent Digital Assistant Youth)

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- About Personal Assistant Project
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# Objectives

The main purpose of the software is to perform the tasks of the user at certain commands, provided in either of the ways, speech or text. It makes the user's day-to-day tasks smooth and enhances their productivity. F.R.I.D.A.Y. draws its inspiration from Virtual assistants like Cortana for Windows and Assistant for Android. Users can interact with the assistant either through voice commands or keyboard input. We made this project by keeping ourselves in the place of the user. The project aims to provide the users with a Virtual Assistant that would not only aid in their daily routine tasks like searching the web, extracting weather data, vocabulary help, and many others but also help in automation of various activities.

# Work Division

# Member I (Roshan Kumar)

- Security (Face Recognition)
- Main GUI
- Game (Rock Paper Scissor)
- Timer
- COVID Tracker
- Weather
- In-build Image Search
- Google Maps Direction
- Wikipedia Search
- News
- Joke
- Avatar Selection
- Web Automation
- Dictionary
- Window, Tab, Keyboard Operations
- Assistant Behaviour
- Photo Clicker

# Member II (Aarush Popli)

- Loading Screen GUI
- WhatsApp Sender
- Email Sender
- Translator
- Math Operations
- To-do List
- YouTube Video Player
- Searching Web
- Opening Websites
- System Information
- Volume Control

# Member III (Nikhil Raj)

- File Operations (Creating Files)

# About Personal Assistant Project

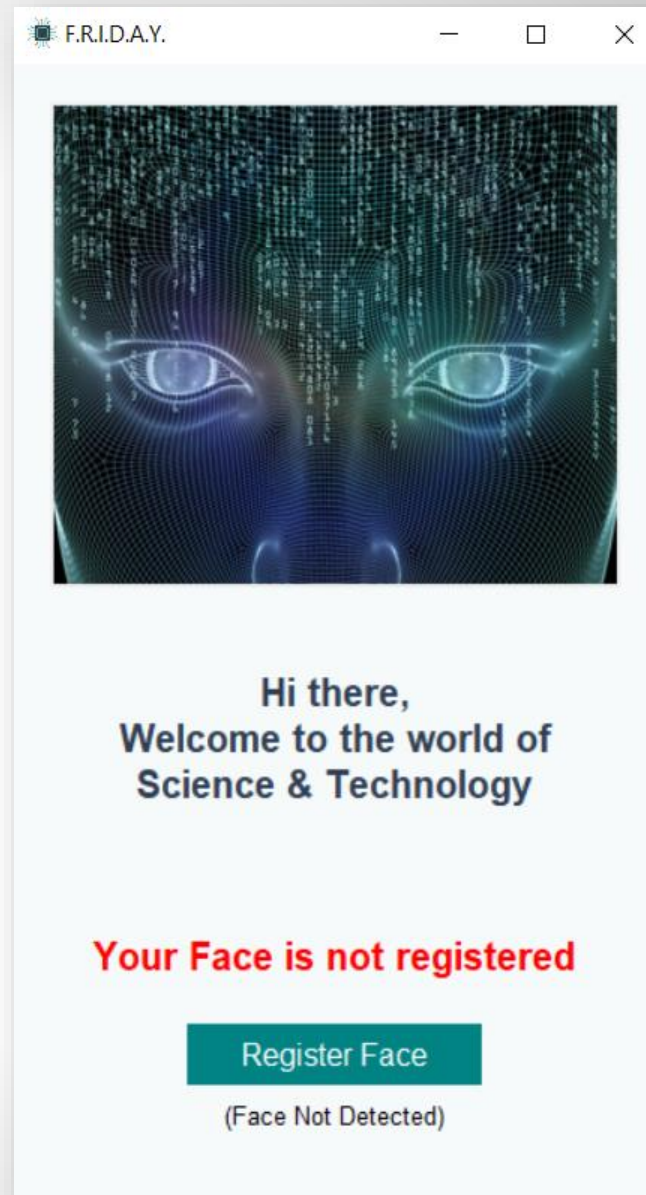
This project is equivalent to existing technologies in many cases, but it provides some extra features for power users. The project is made using python programming language and various libraries such as Tkinter, text to speech, Speech Recognition, and OpenCV, which are parts of the same. The assistant can perform multiple tasks such as mathematical calculations, playing a YouTube video, sending emails, reading the news, and much more.



# Features

# Face Security


- Proper Security
- Facial Data



# Face Register

- OpenCV
- Face Classifier
- Face Capture
- Train Face
- User Data

F.R.I.D.A.Y. — □ ×




Name

Gender ☒ Male ☐ Female

☒ I agree to use my Face for Security

**Add Face**

F.R.I.D.A.Y. — □ ×



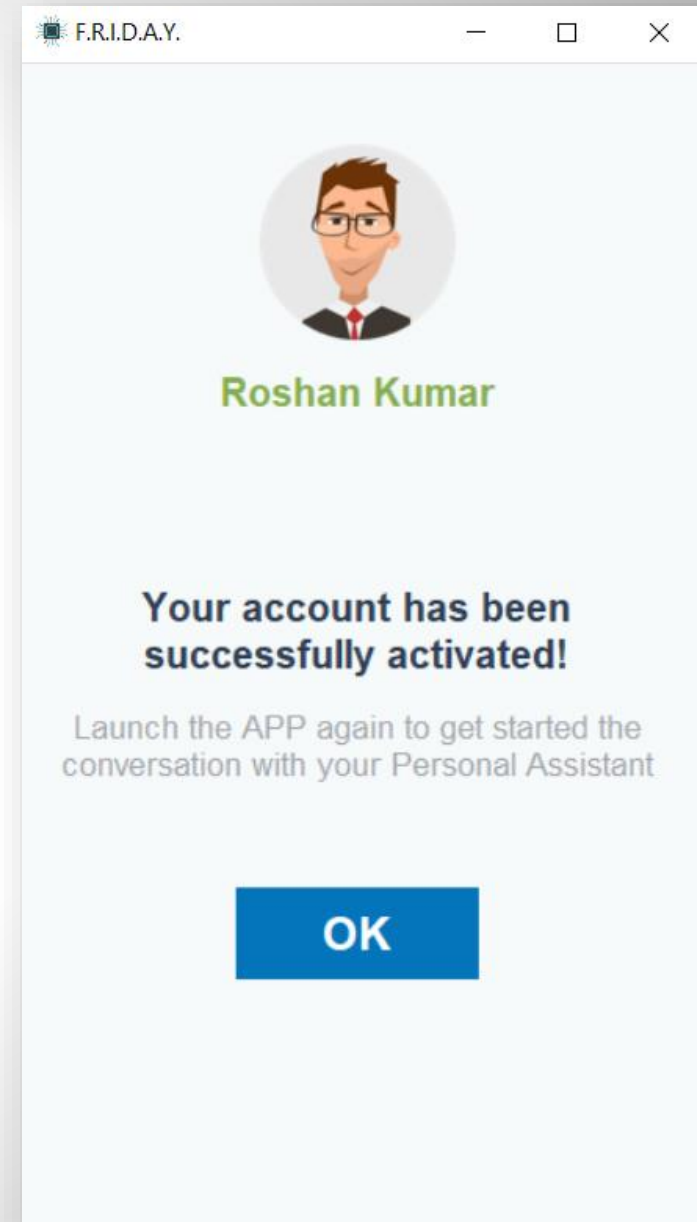
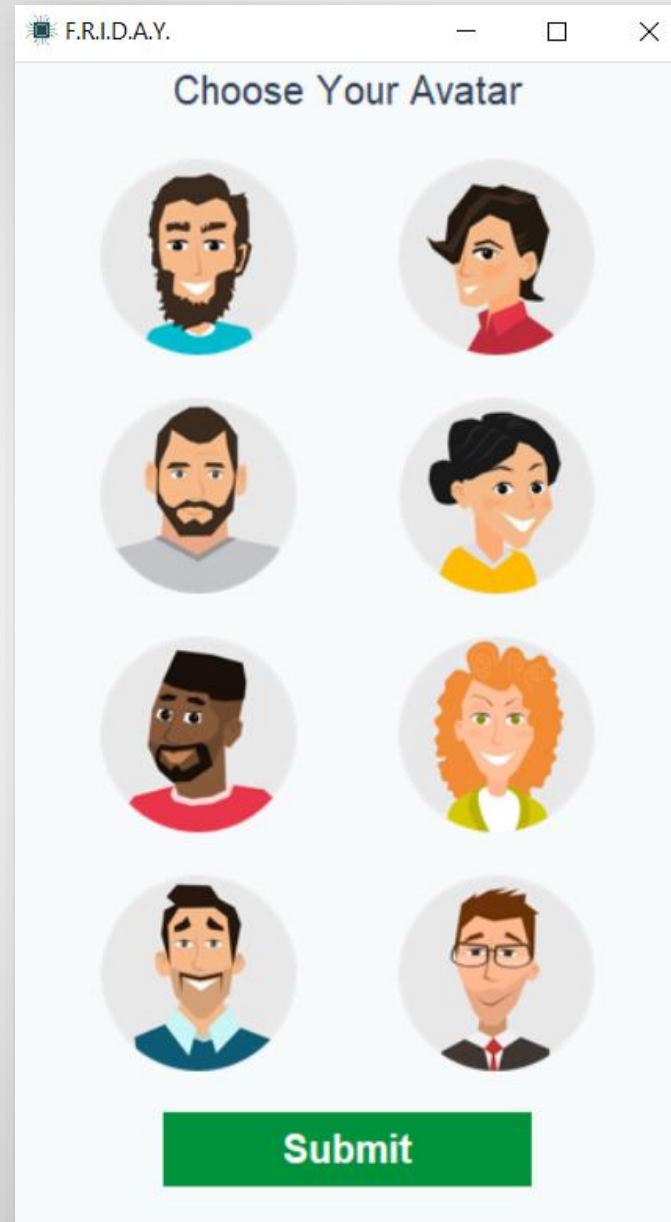
Name

Gender ☒ Male ☐ Female

☒ I agree to use my Face for Security

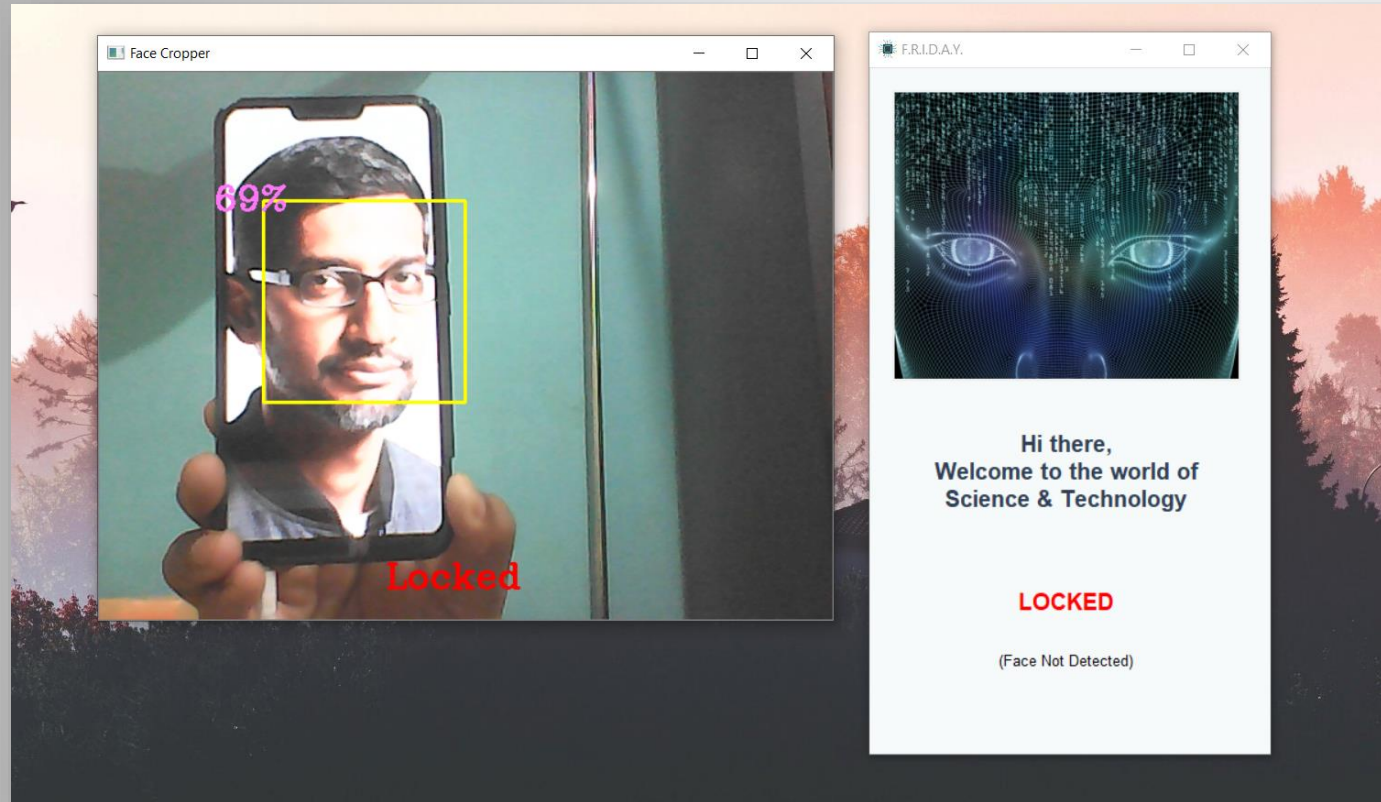
**Add Face**

# Profile PIC

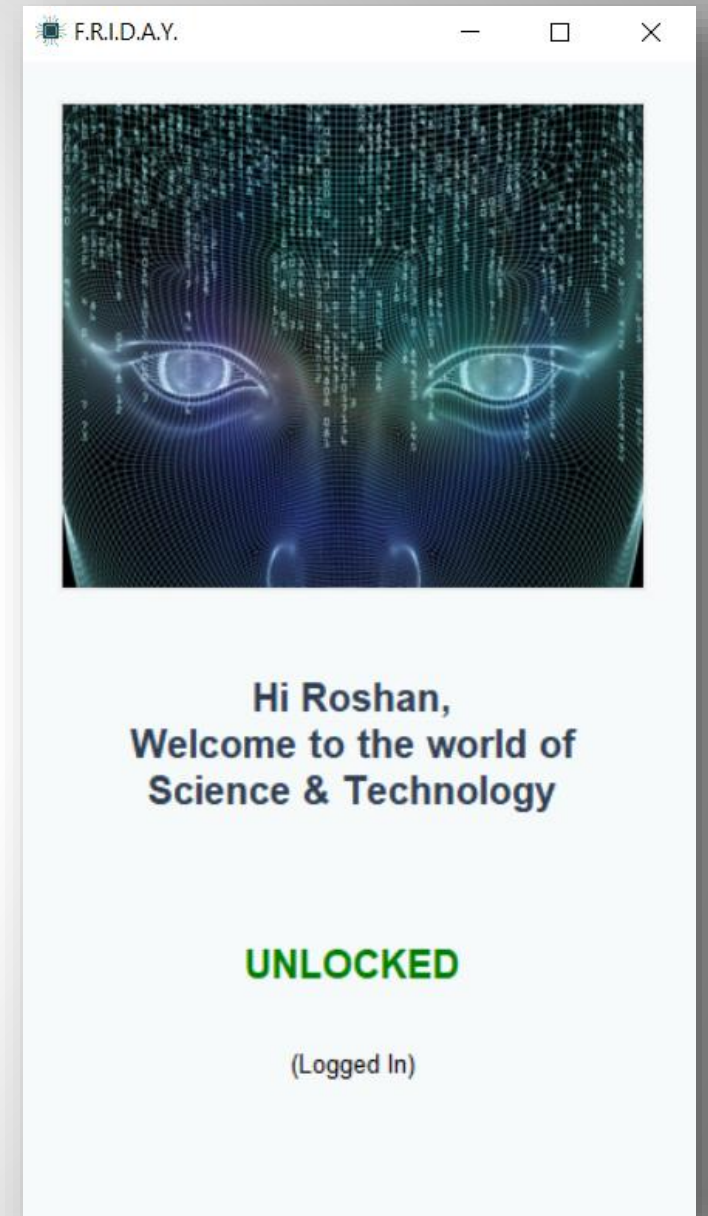




# Login

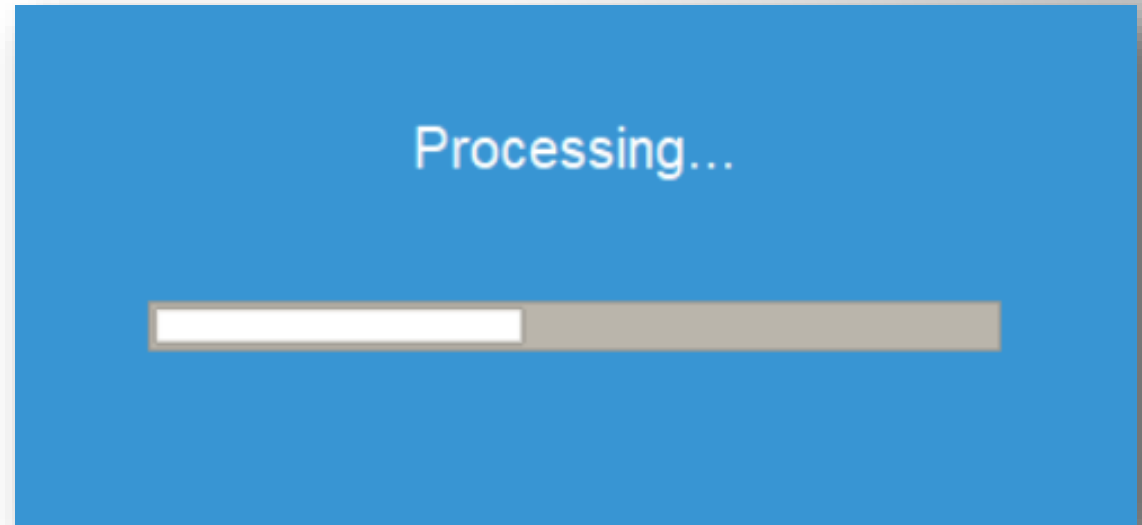


- Face Detecting



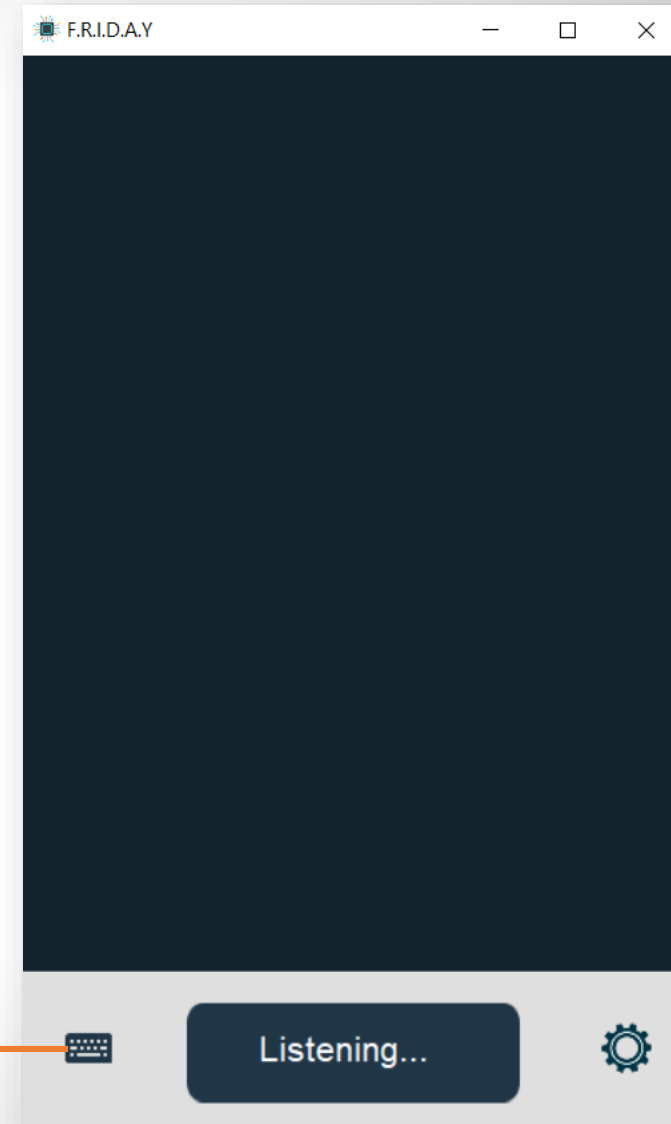
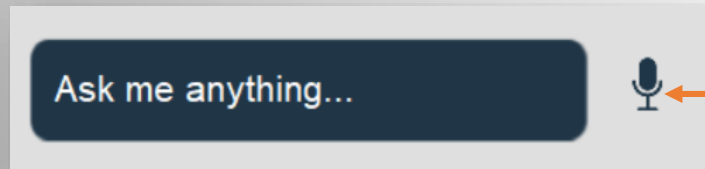
# Loading Screen

- Splash Screen



# Home Screen


- Chat Screen
- Conversation Mode
- Normal Text
- Image




Chat Screen

# Settings

- Assistant Voice
- Voice Rate
- Volume
- Theme
- Chat Background
- Clear Facial Data

 F.R.I.D.A.Y

Settings



Roshan

Assistant Voice

Female

Voice Rate

Normal

Volume

100

Theme

☐ Dark ☒ Light

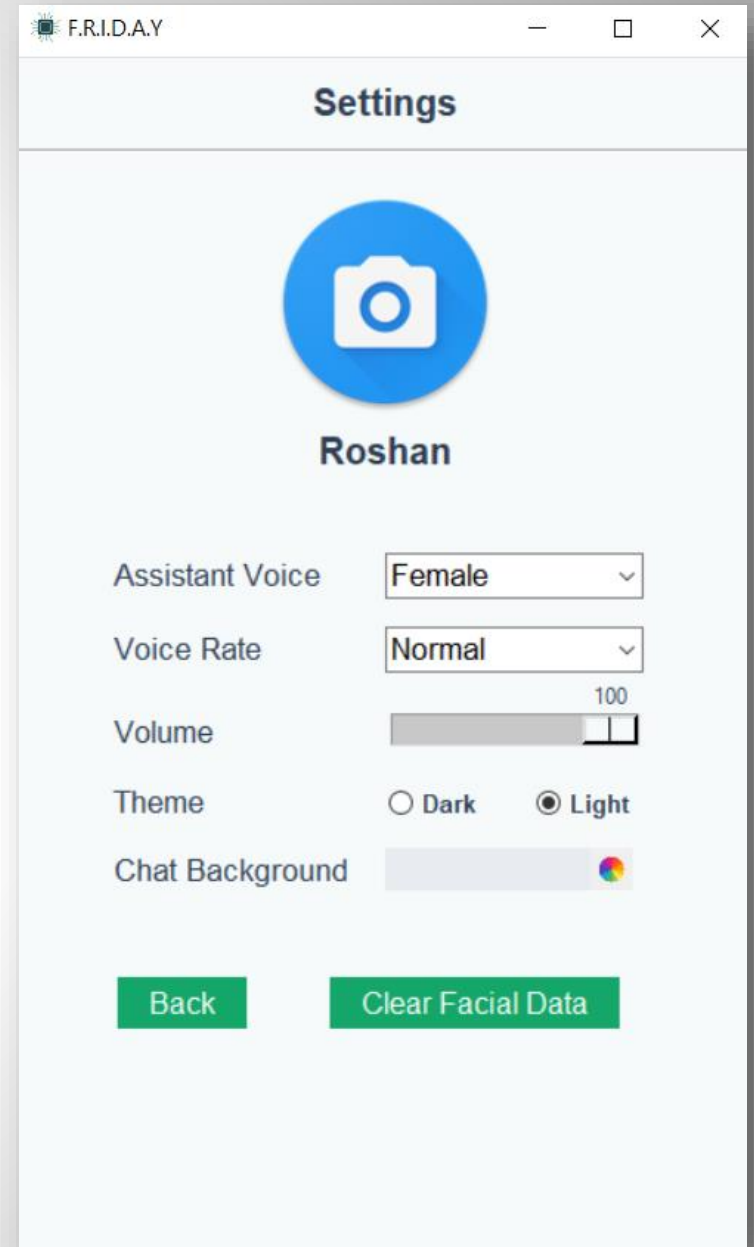
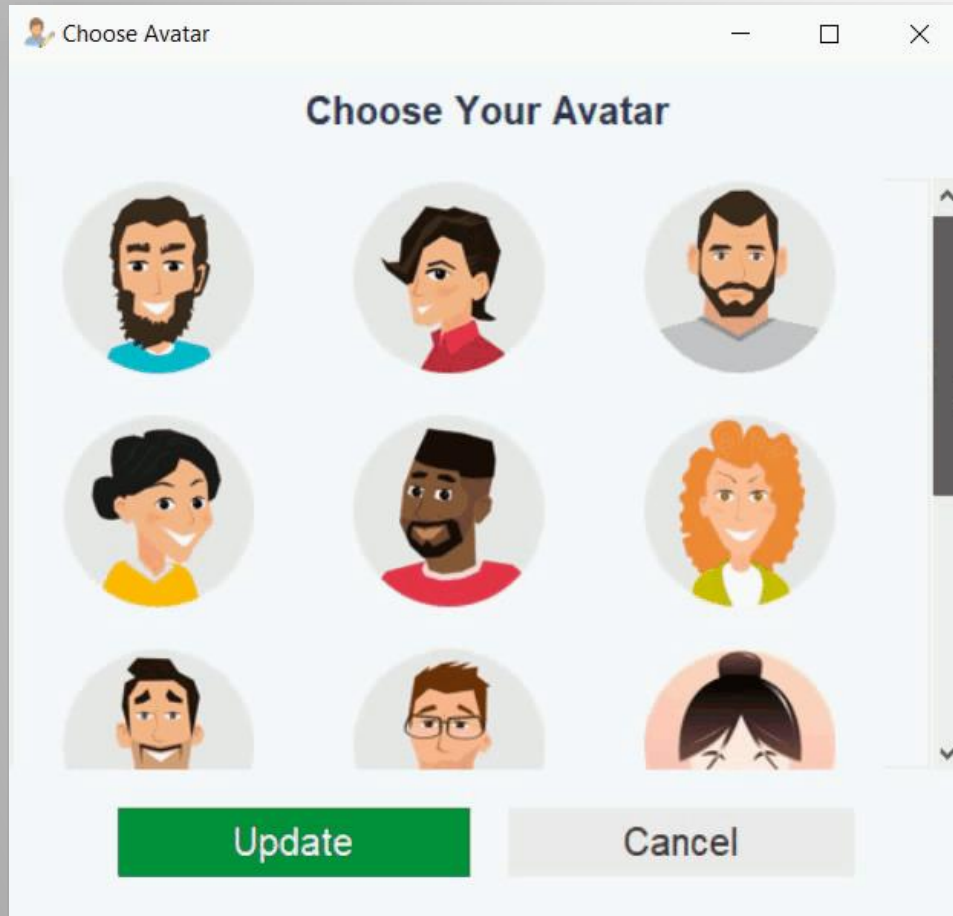
Chat Background

Back

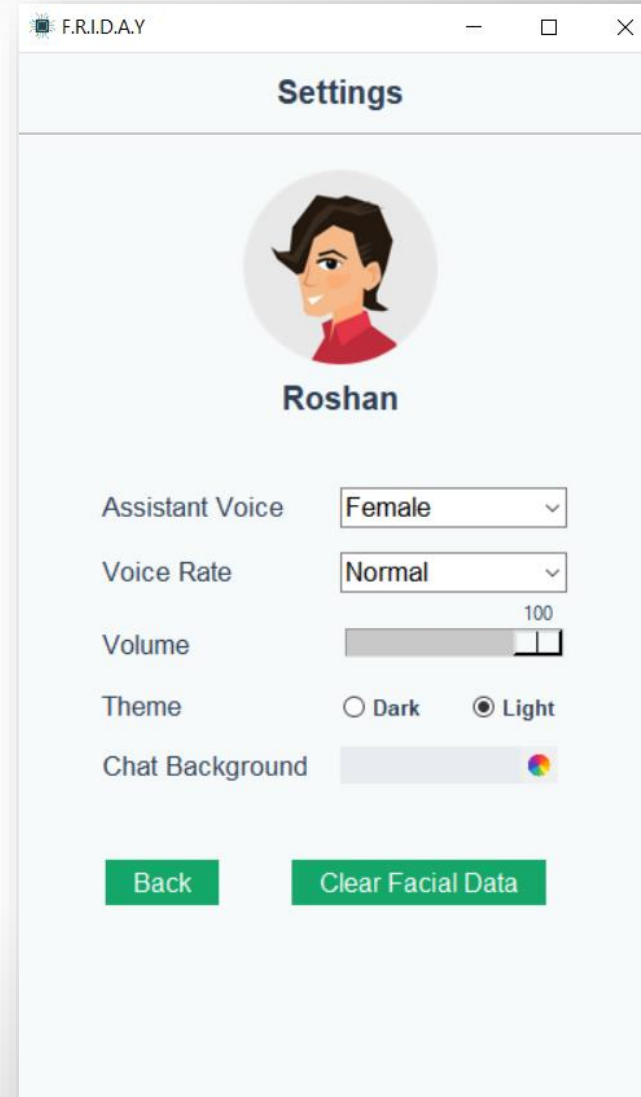
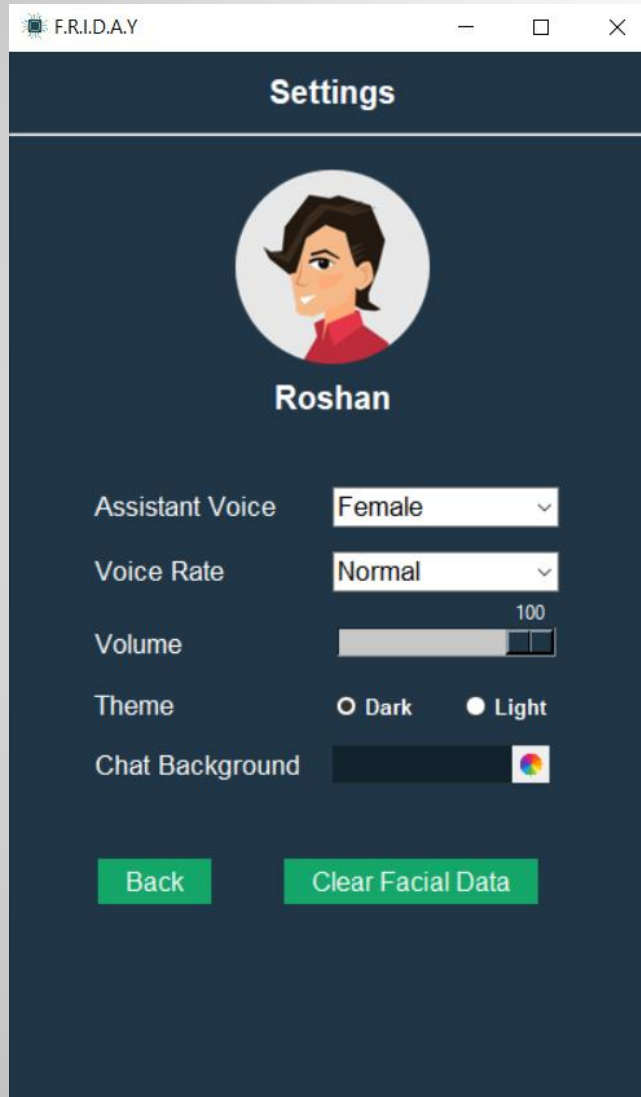
Clear Facial Data



# Profile Photo Update



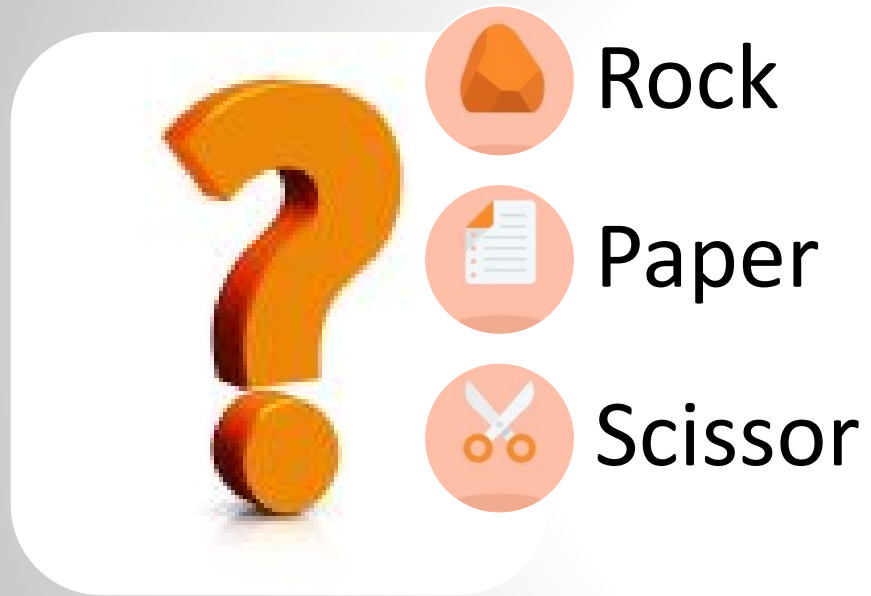
# Switching Theme



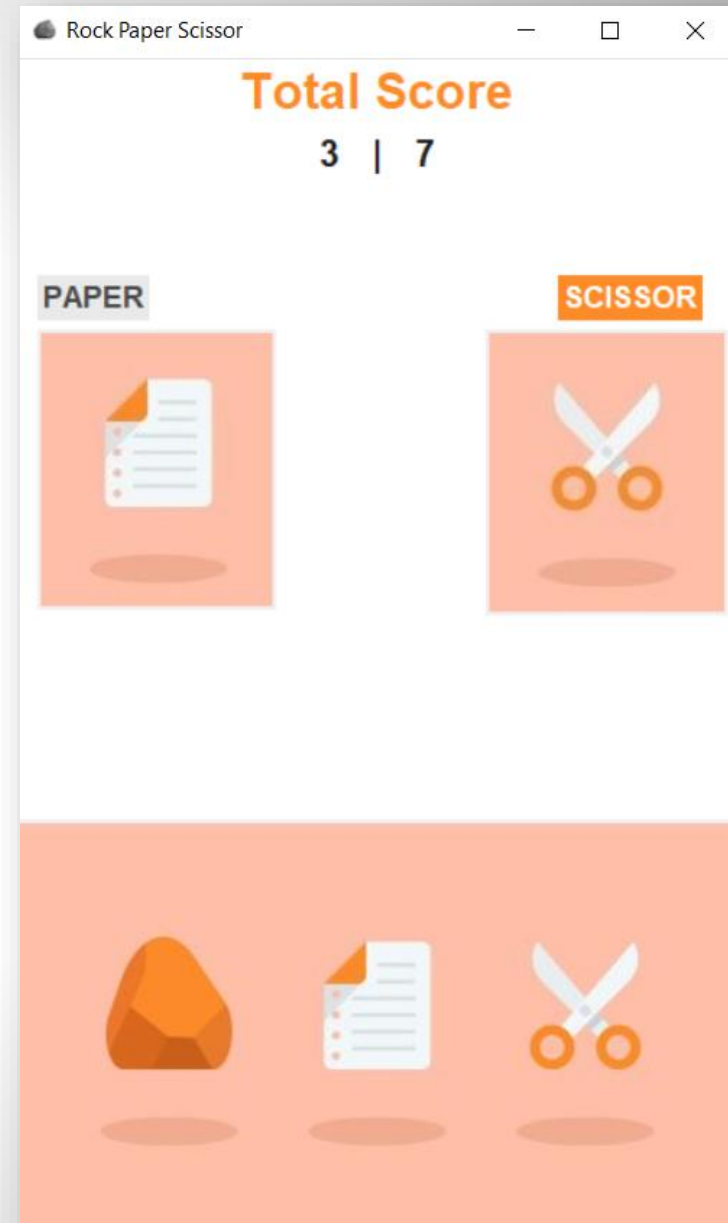
# Games

- Rock Paper Scissor
- Online Games

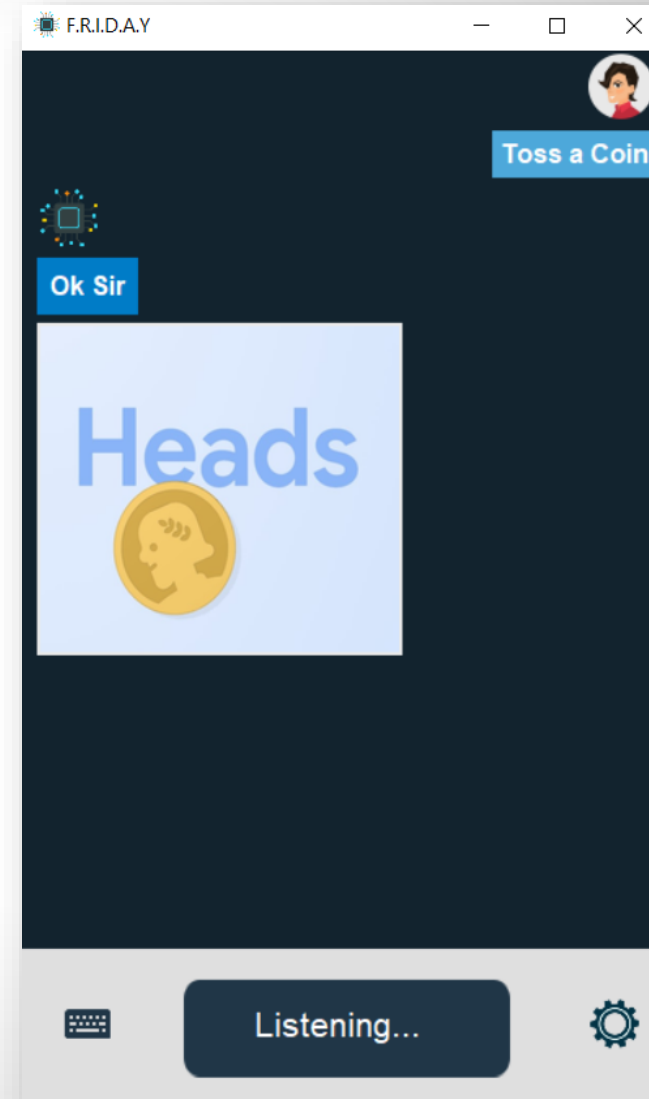
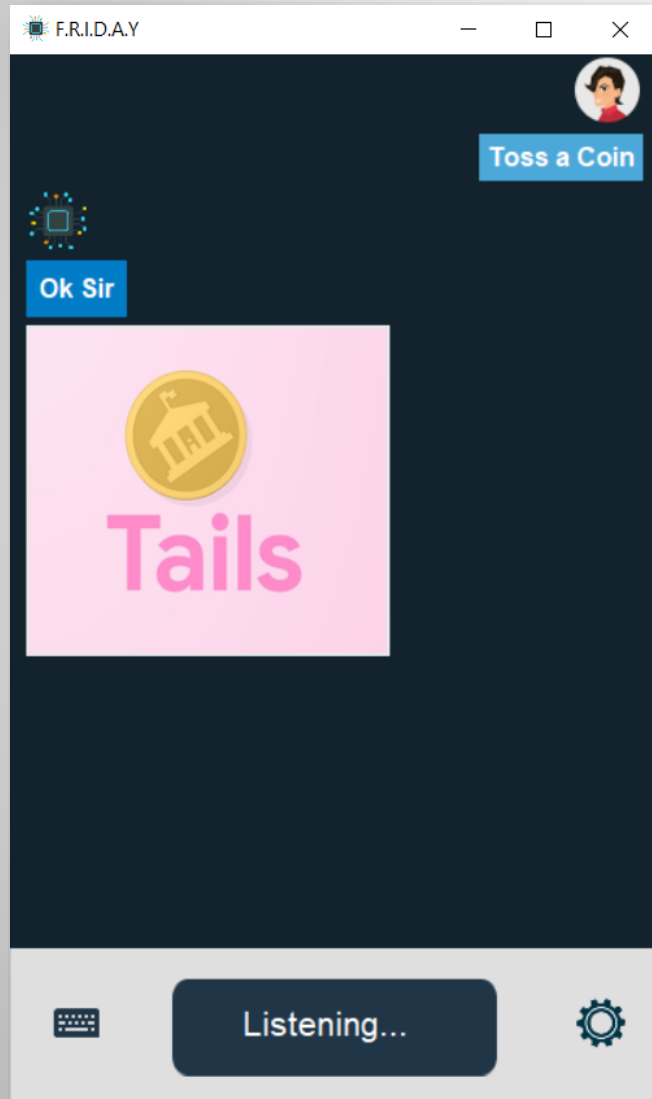
# Rock Paper Scissor



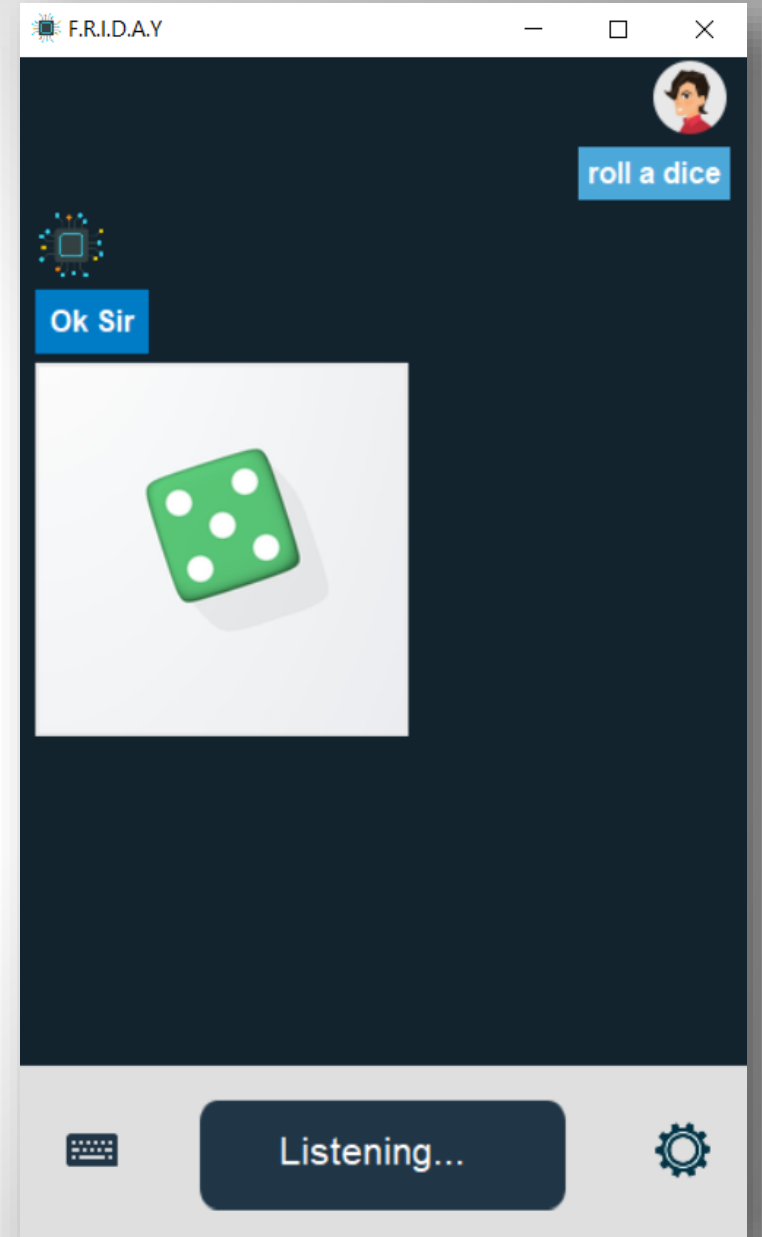
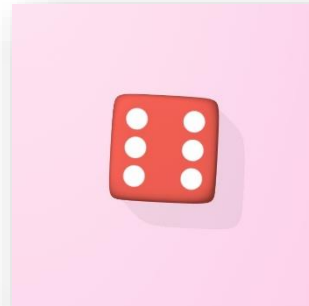
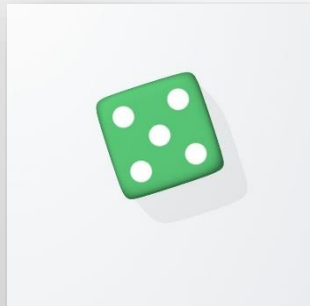
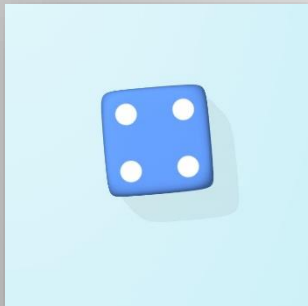
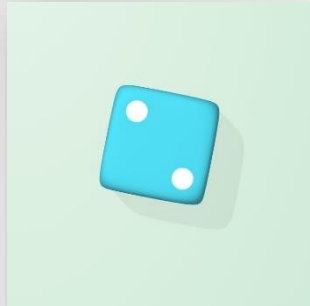
Moves



# Tossing Coin

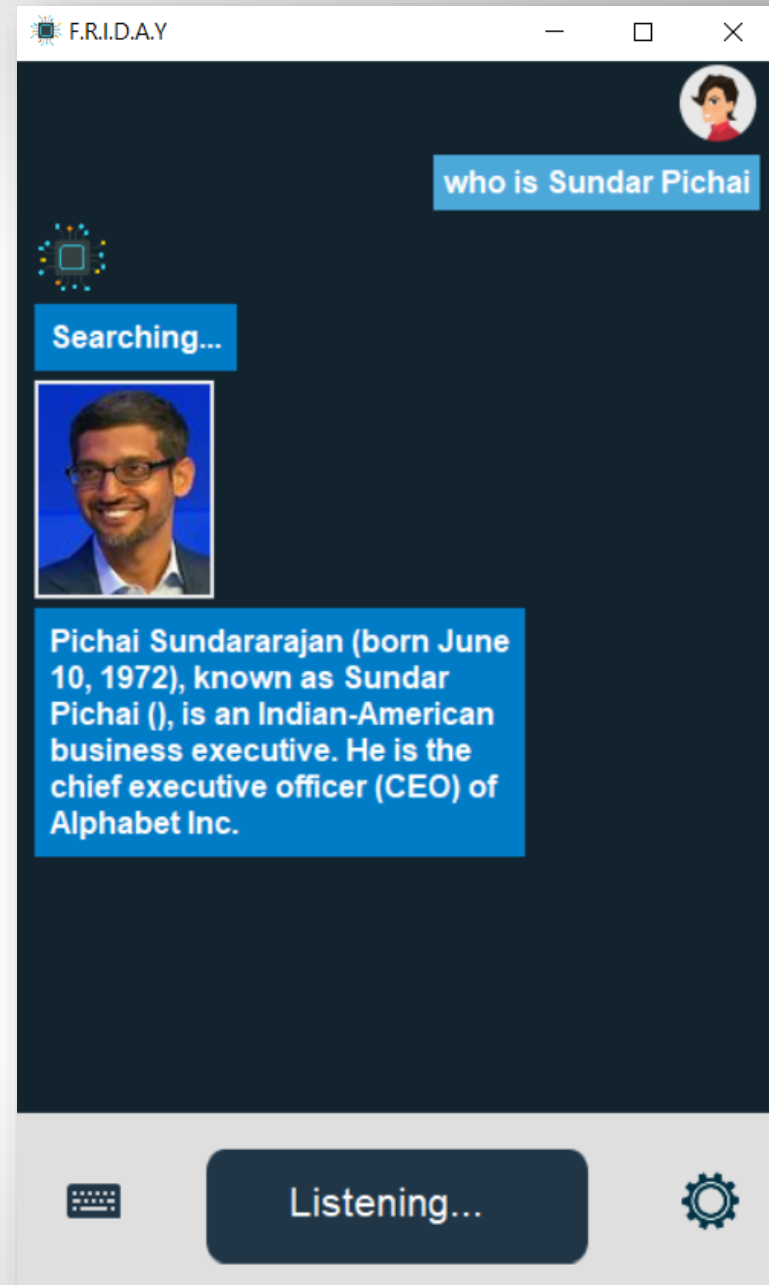


# Rolling Dice



# Wikipedia Result

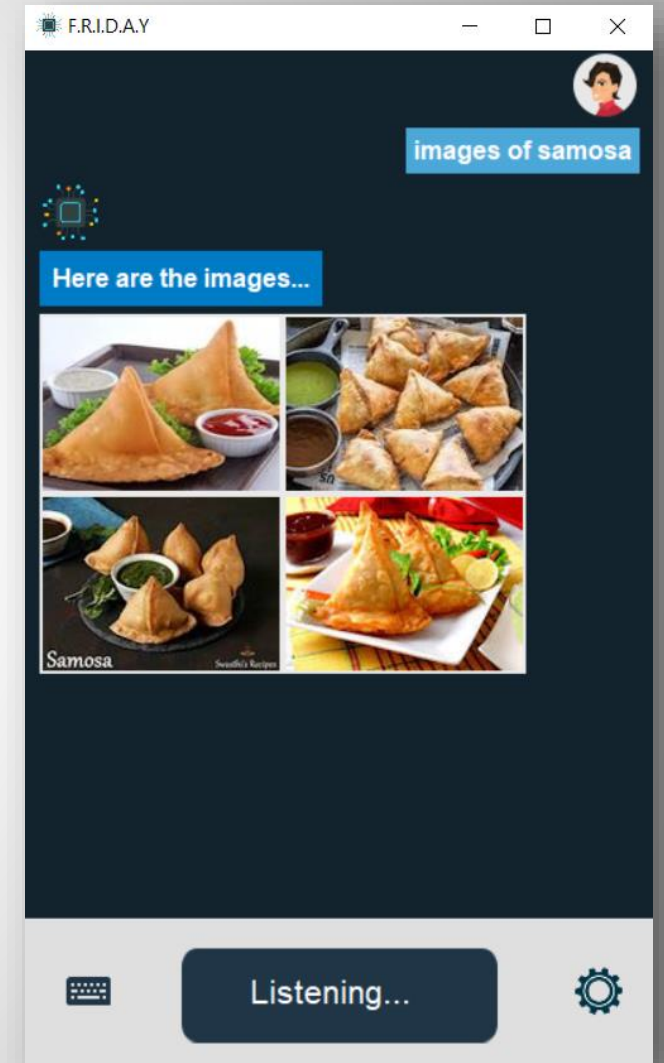
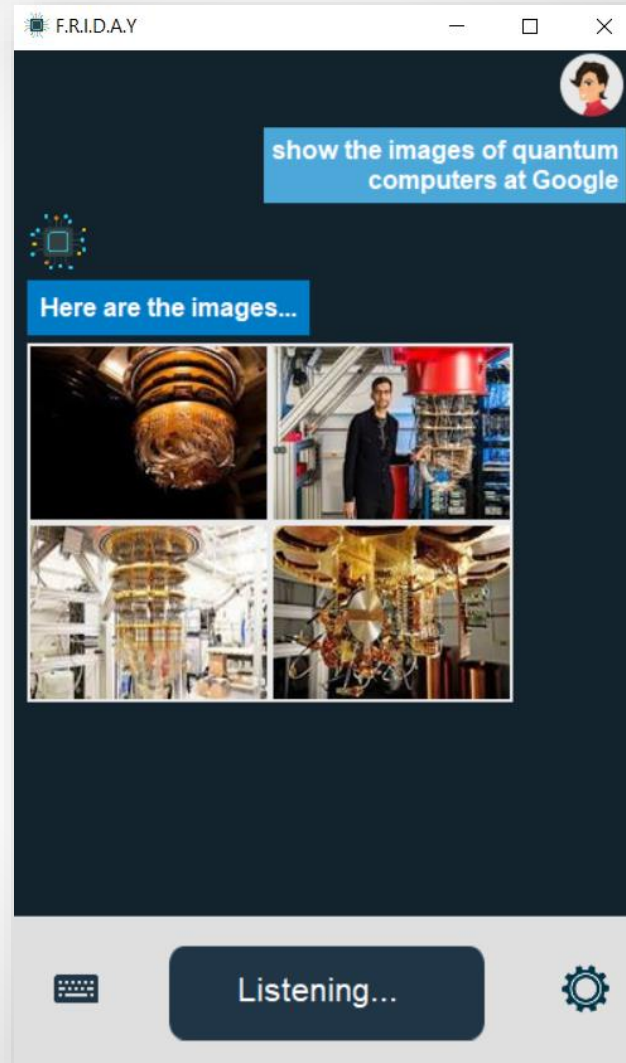
- Image Result
- Wikipedia Summary





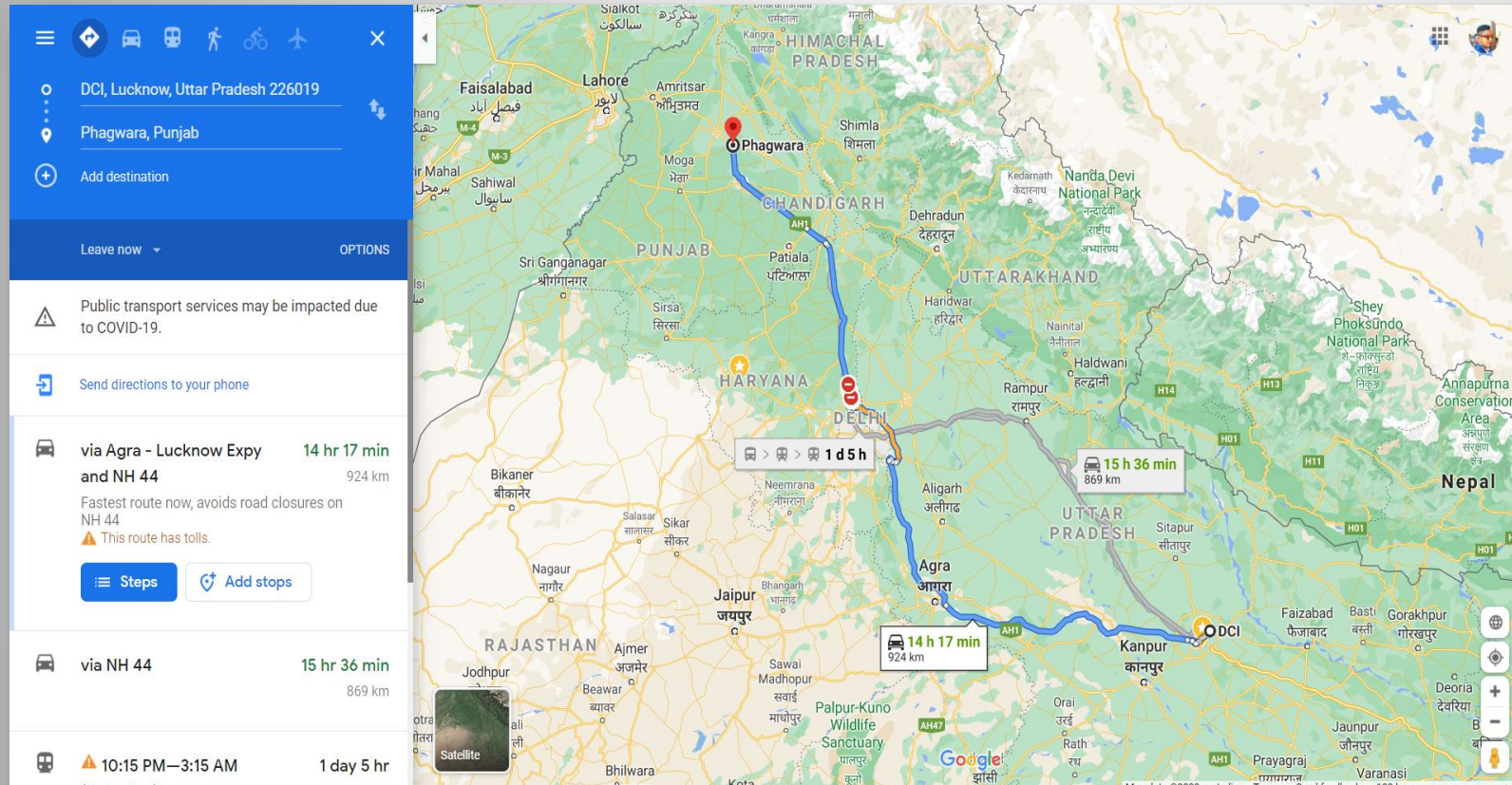
# In-build Image Search

- Searching
- Downloading
- Displaying

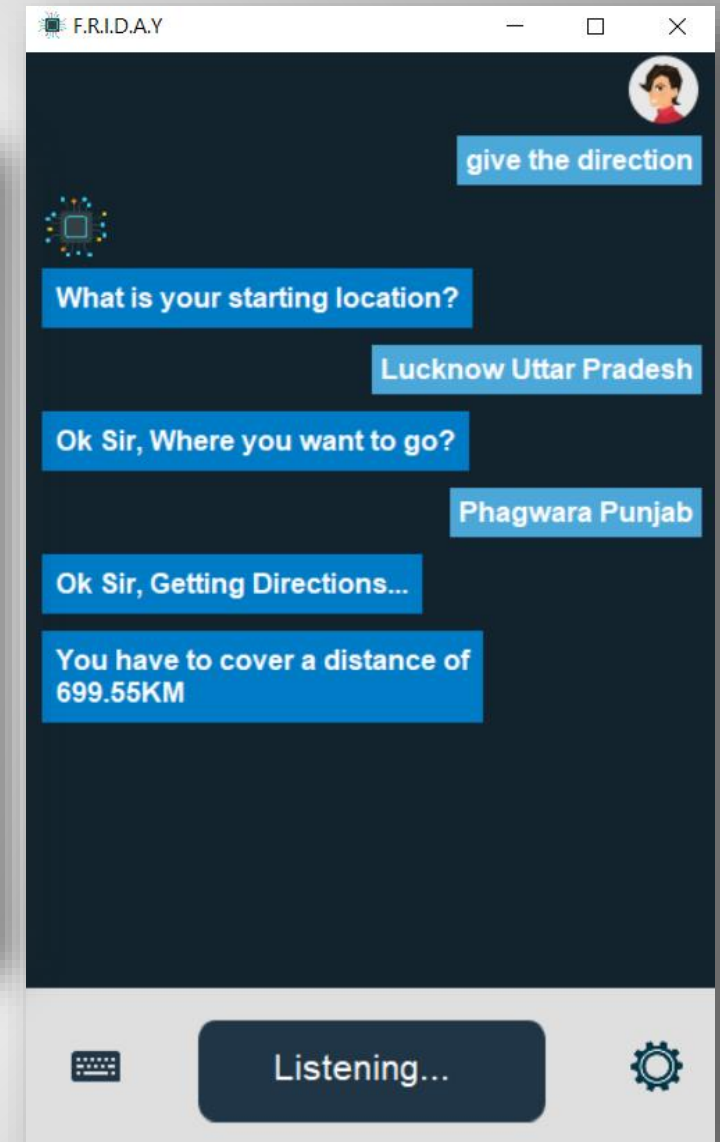




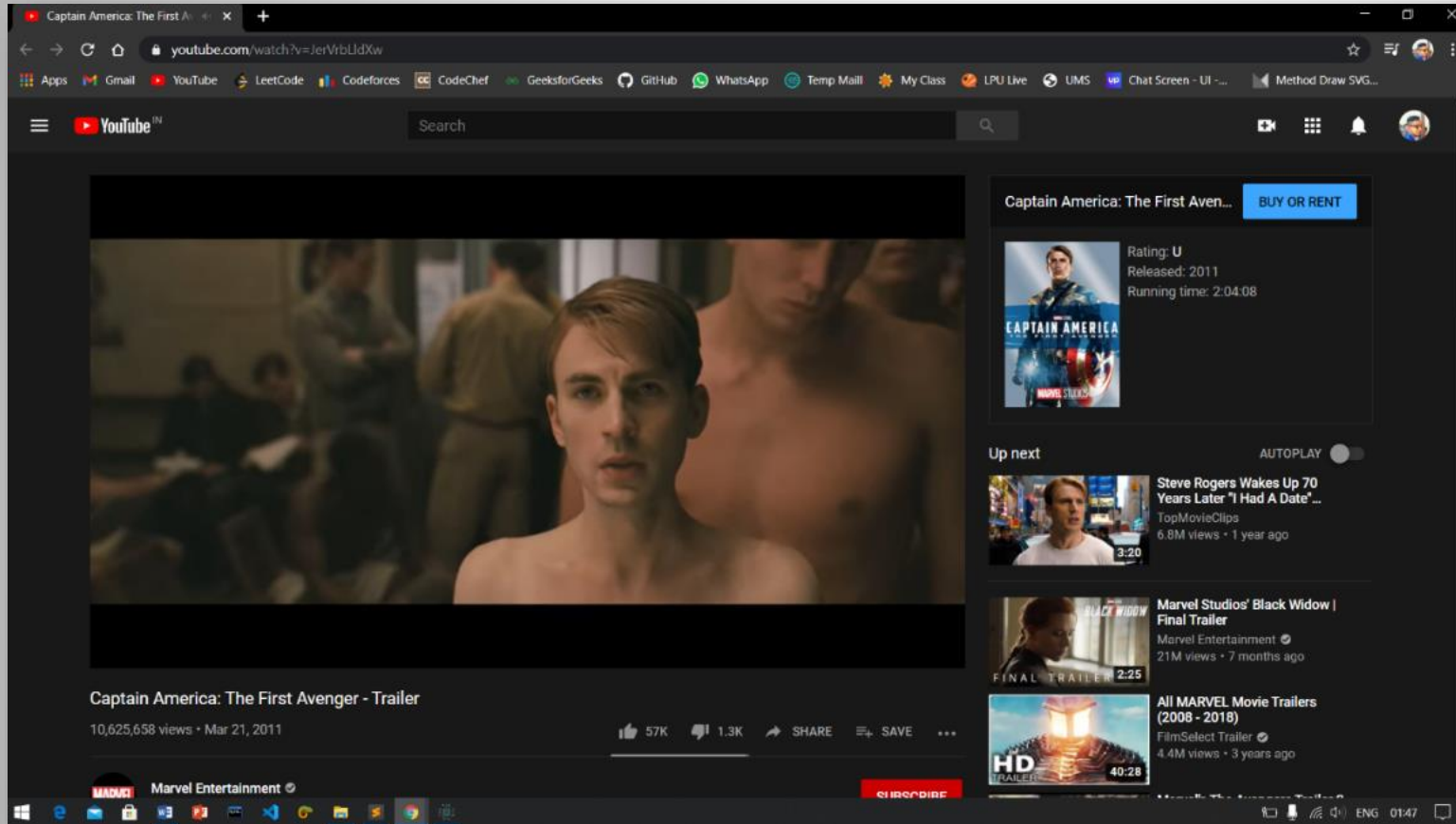
# Google Maps Direction



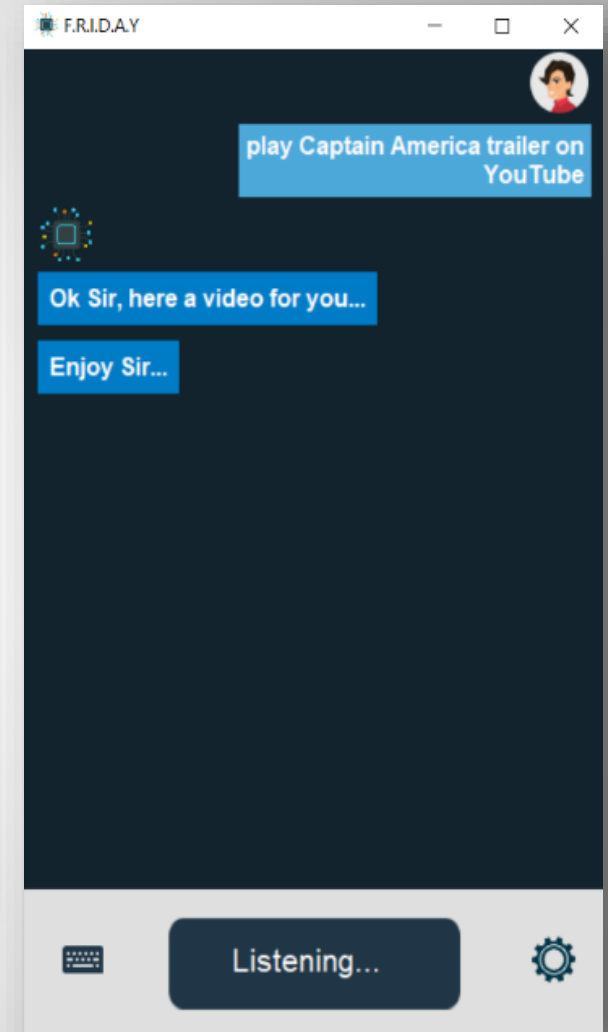
- Geopy
- Co-ordinates



# YouTube

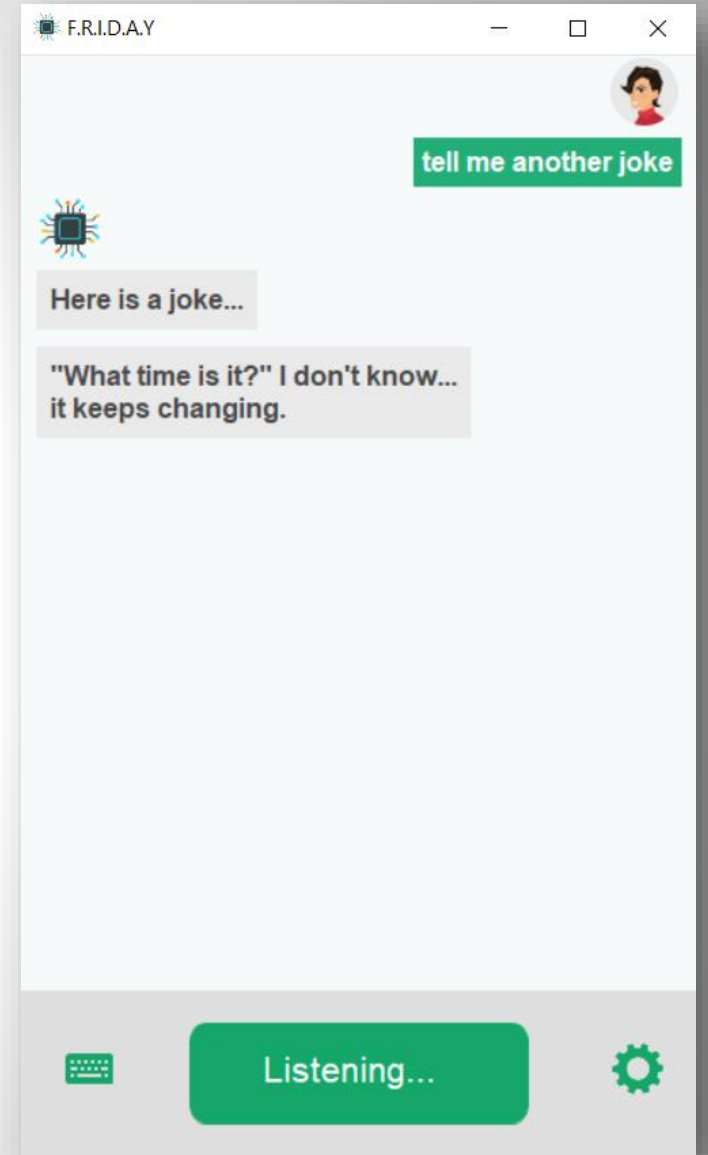
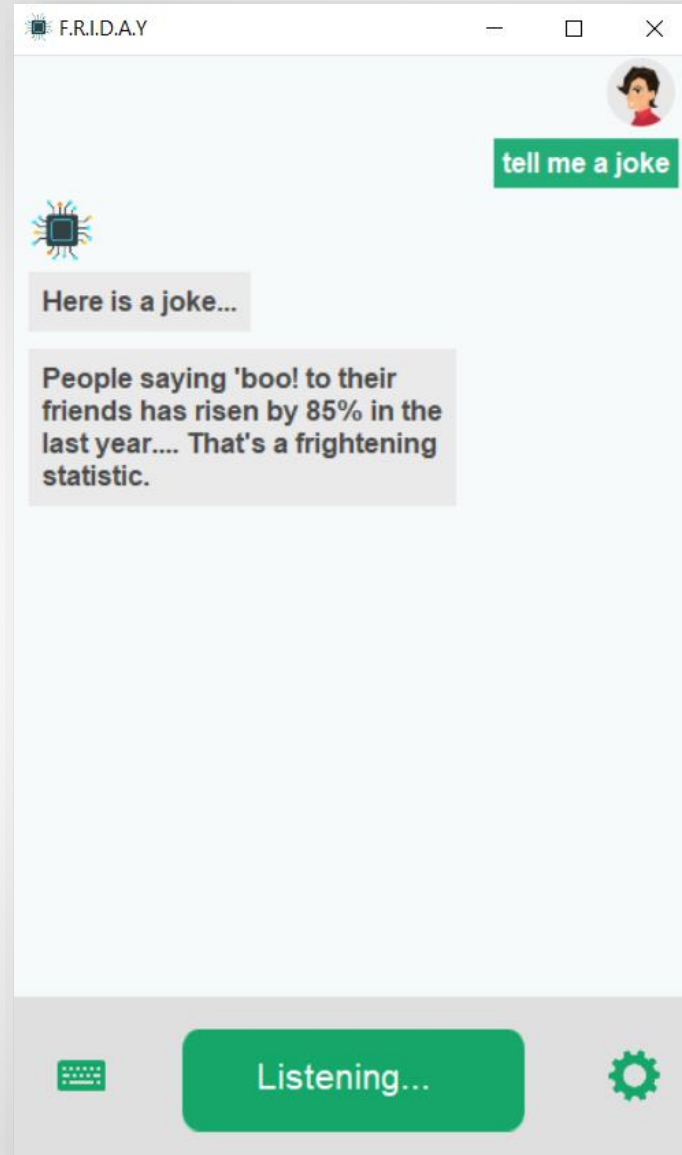


- YouTube Search





# Jokes


- Random Joke
- Beautiful Soup





# News

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### LATEST NEWS


UPDATED: OCTOBER 22, 2020 10:12:21 PM



**Mirzapur 2: All episodes now available to watch on Amazon Prime Video**

Mirzapur 2, starring Pankaj Tripathi, Ali Fazal, Shweta Tripathi, Divyenndu Sharma, Rasika Dugal, Harshita Gaur, Sheeba Chadha, Rajesh Tailang, Anjum Sharma, Vijay Varma, Amit Sial, Isha Talwar and Priyanshu Painyuli, is streaming on Amazon Prime Video.


OCTOBER 22, 2020 10:09:05 PM



**Tamil Nadu COVID-19 Wrap: CM assures free COVID-19 vaccine to all**

Tamil Nadu's overall tally went past 7 lakh as 3,077 persons tested positive for Covid-19 on Thursday. A total of 7,00,193 persons have tested positive in the state so far.

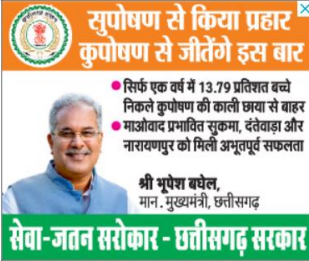
UPDATED: OCTOBER 22, 2020 10:03:13 PM



**Comedian from East Africa recreates SRK's iconic 'Kuch Kuch Hota Hai' scene and its hilarious**

However, this is not the first time people have recreated SRK's scenes. Earlier, a spoof of 'Bole Chudiyan' by an Indonesian fan had impressed Bollywood fans on the internet.

ADVERTISEMENT



सुपोषण से किया प्रहार  
कुपोषण से जीतेगे इस बार


सिर्फ एक वर्ष में 13.79 प्रतिशत बच्चे निकले कुपोषण की काली छाया से बाहर

माओवाद प्रभावित सुकमा, दंतेवाड़ा और नारायणपुर को मिली अमृतपूर्व सफलता


श्री भूपेश बघेल,  
मान. मुख्यमंत्री, छत्तीसगढ़

सेवा-जतन सरोकार - छत्तीसगढ़ सरकार


BEST OF EXPRESS




India has set aside \$7 billion for Covid vaccination: Report



LIVE: After Shivraj Chhavan assures free vaccine in MP



Entertainment  
RRR teaser: Jr NTR as Komaram Bheem looks and moves like a battle-hardened warrior



My 1-yr-old son cries all day due to his disease.



Ketto


Charity No: 81688911

**EXPLAINED**


Why an NHRC advisory on sex work has split rights activists down the middle

- Beautiful Soup

F.R.I.D.A.Y  



give me some latest news




Getting the latest news...

Mirzapur 2: All episodes now available to watch on Amazon Prime Video


Tamil Nadu COVID-19 Wrap: CM assures free COVID-19 vaccine to all

Do you want to read the full news?

Ok Sir, Opening browser...

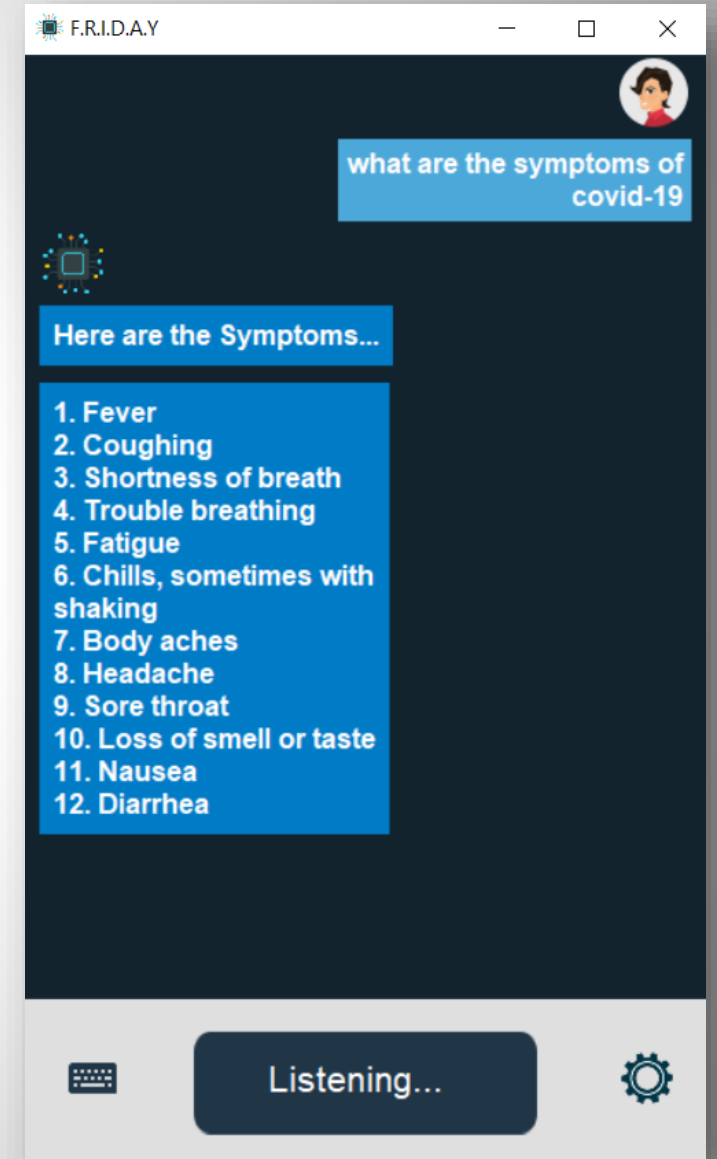
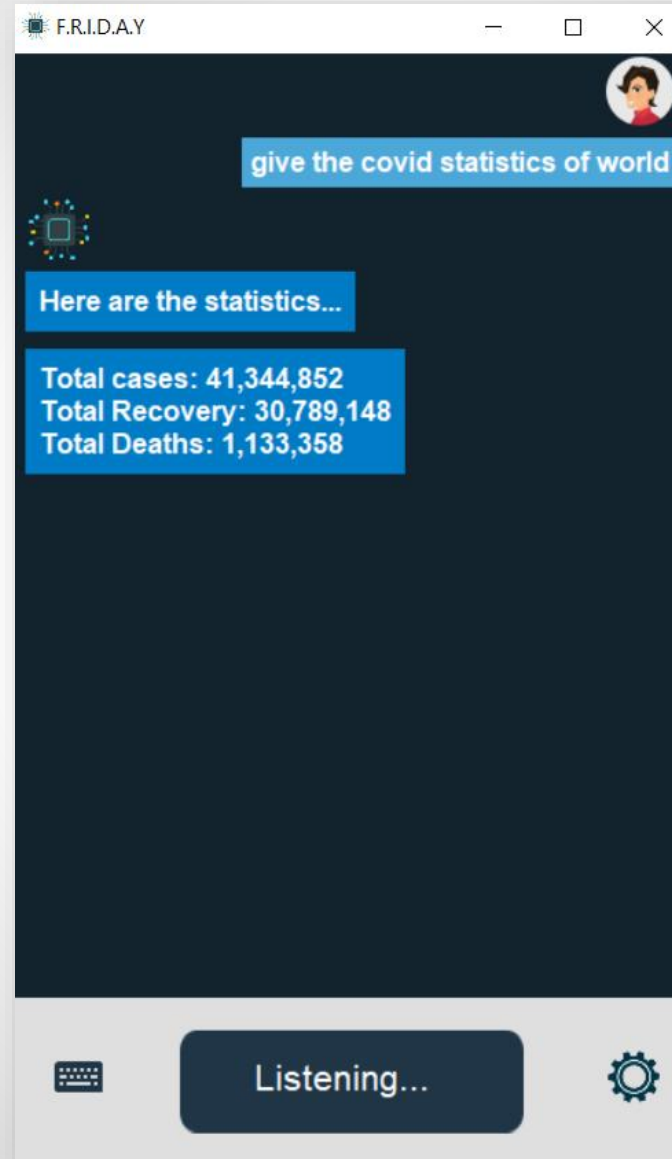


Listening...



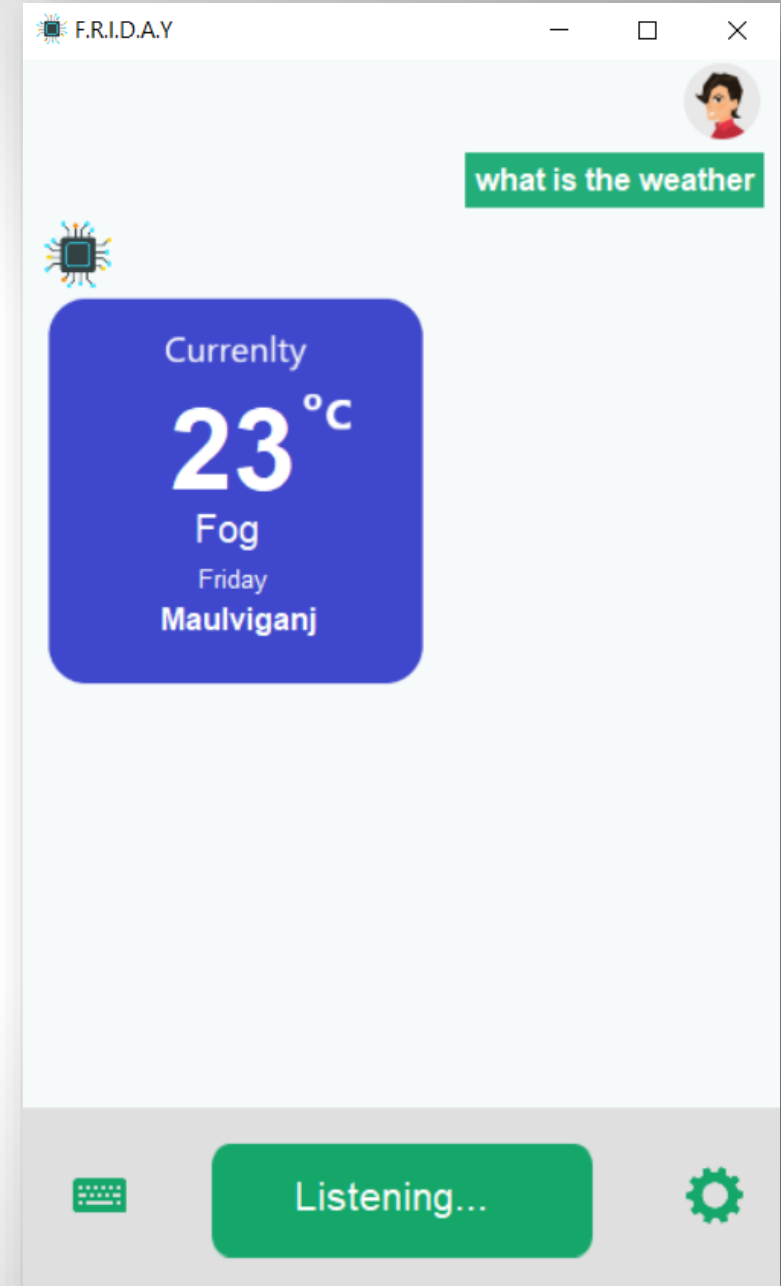
# COVID Tracker

- Web Scrapping
- Beautiful Soup



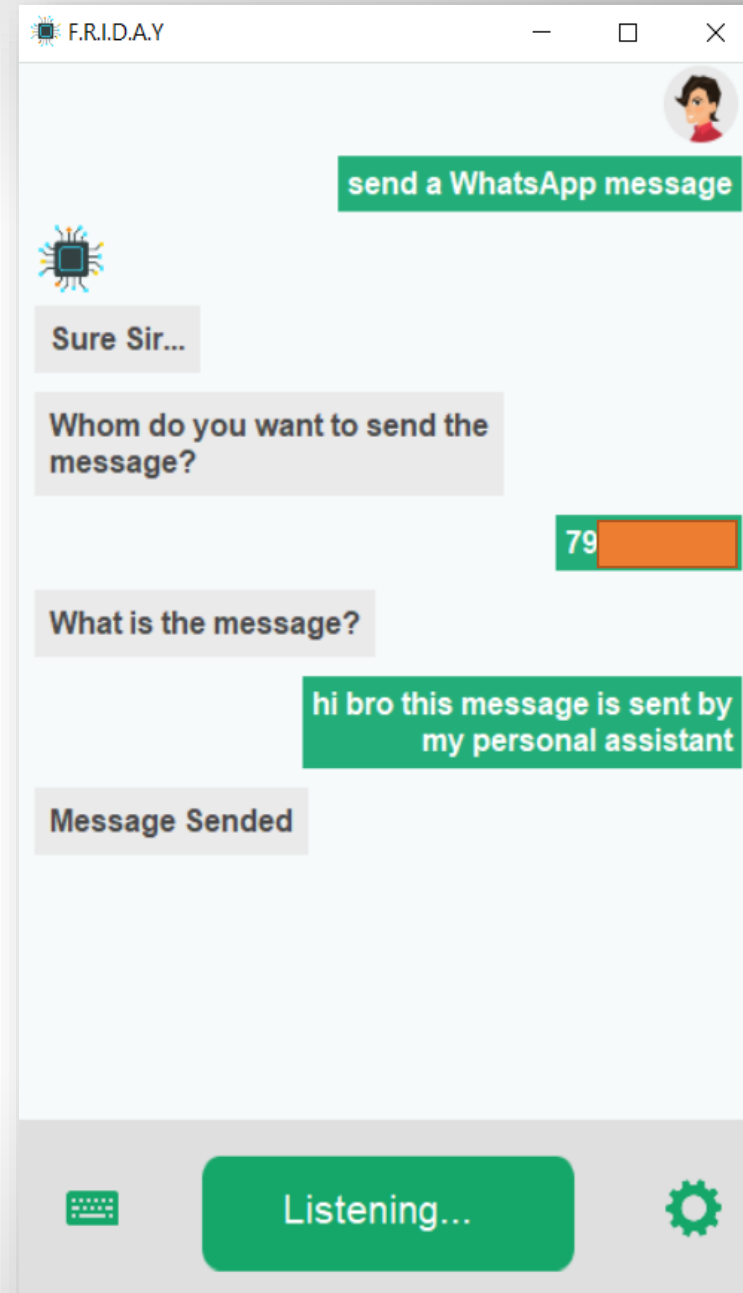
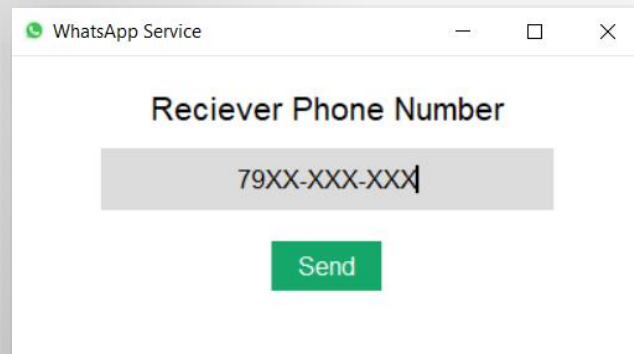
# Weather

- Beautiful Soup
- Temperature (in C)
- Current Condition
- Day
- City



# WhatsApp Sender

- Phone Number
- Message
- Link Generate
- WhatsApp Web



# Email Sender

- SMTP

Email Service

Reciever E-mail Address

roshanxxxxx@gmail.com

Send

F.R.I.D.A.Y

send an email

Whom do you want to send the email?

roshank9419@gmail.com

What is the Subject?

testing purpose

What message you want to send ?

hay bro the message you will receive is sent by my personal assistant

Email has been Sended

Listening...

4G LTE 5:50 0.00 KB/s

testing purpose Inbox

fridayatyourservice... 5:47 PM

From: fridayatyourservice@gmail.com

Date: Oct 23, 2020, 5:47 PM

Standard encryption (TLS).  
[View security details](#)

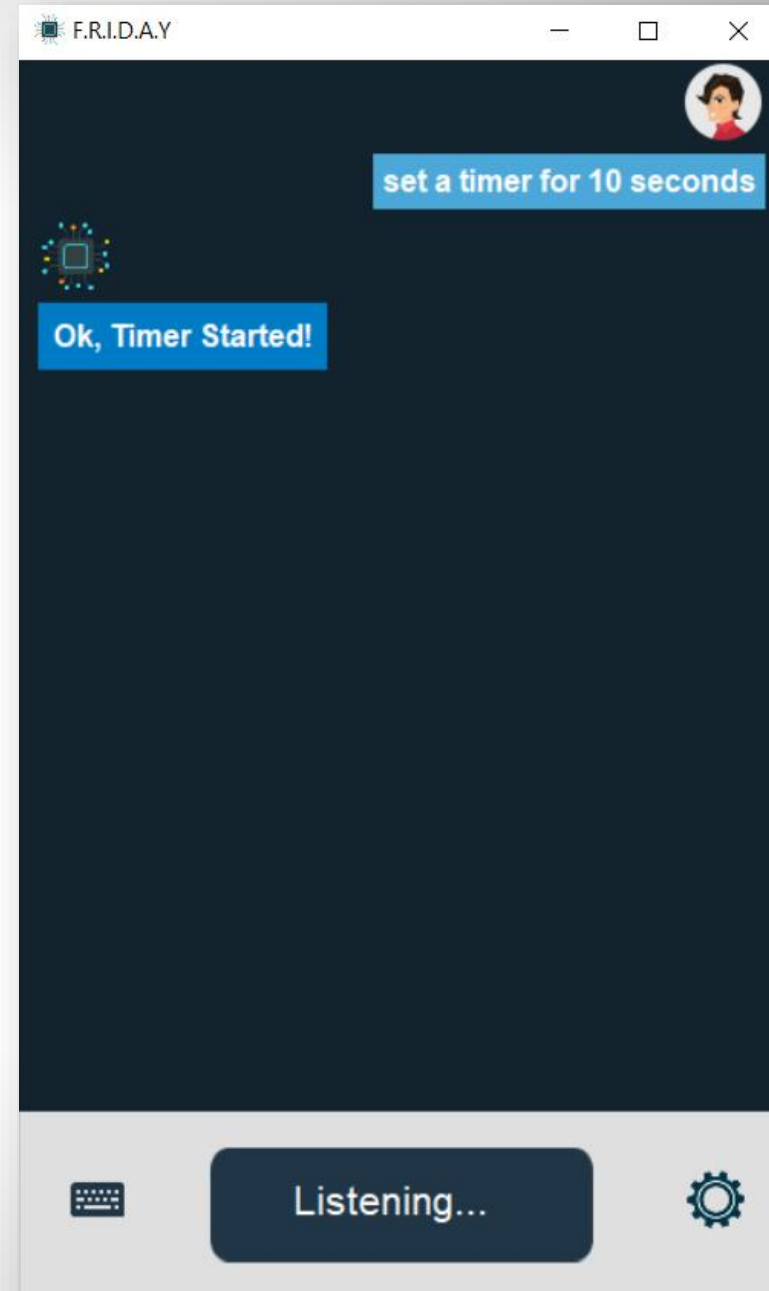
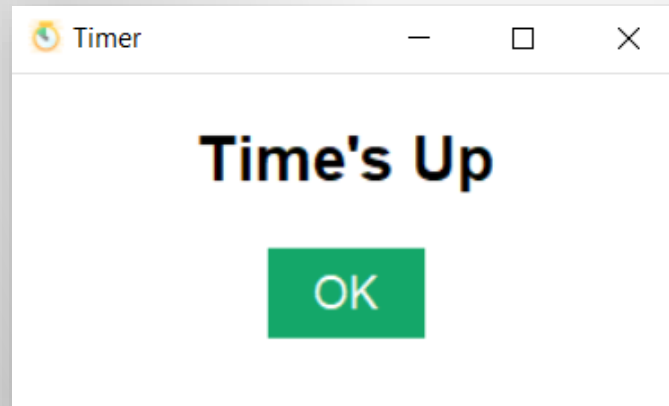
hay bro the message you will receive is sent by my personal assistant

Reply Reply all Forward



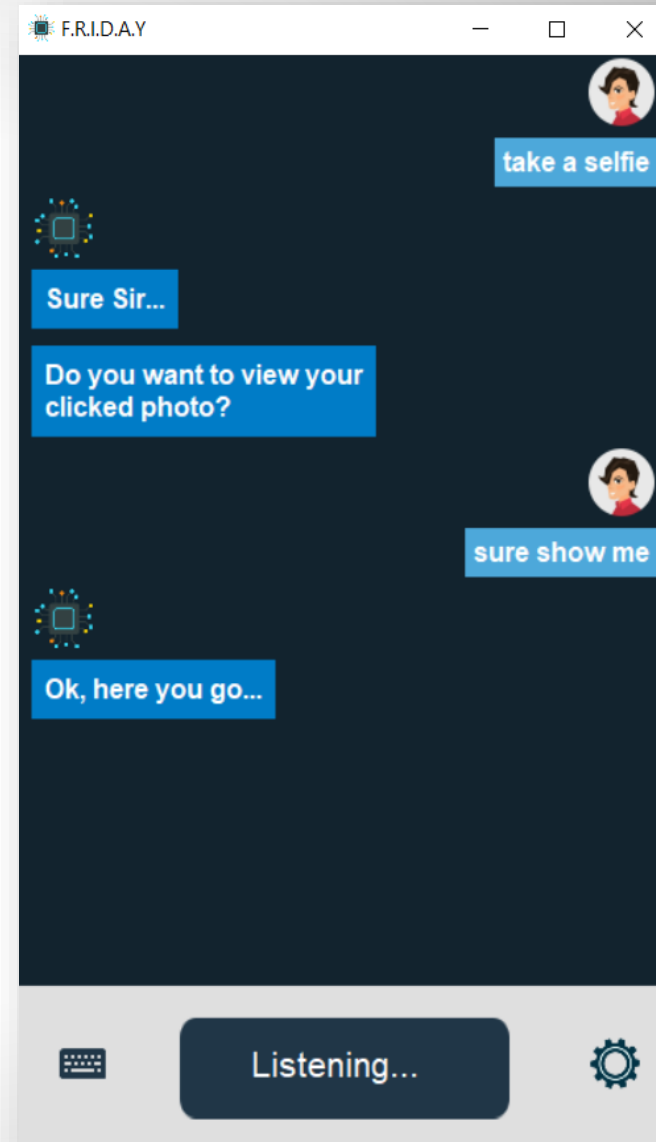
# Timer

- Set a timer for 10 seconds
- Set a timer for 1 minute
- Set a timer for 1 minute 20 seconds

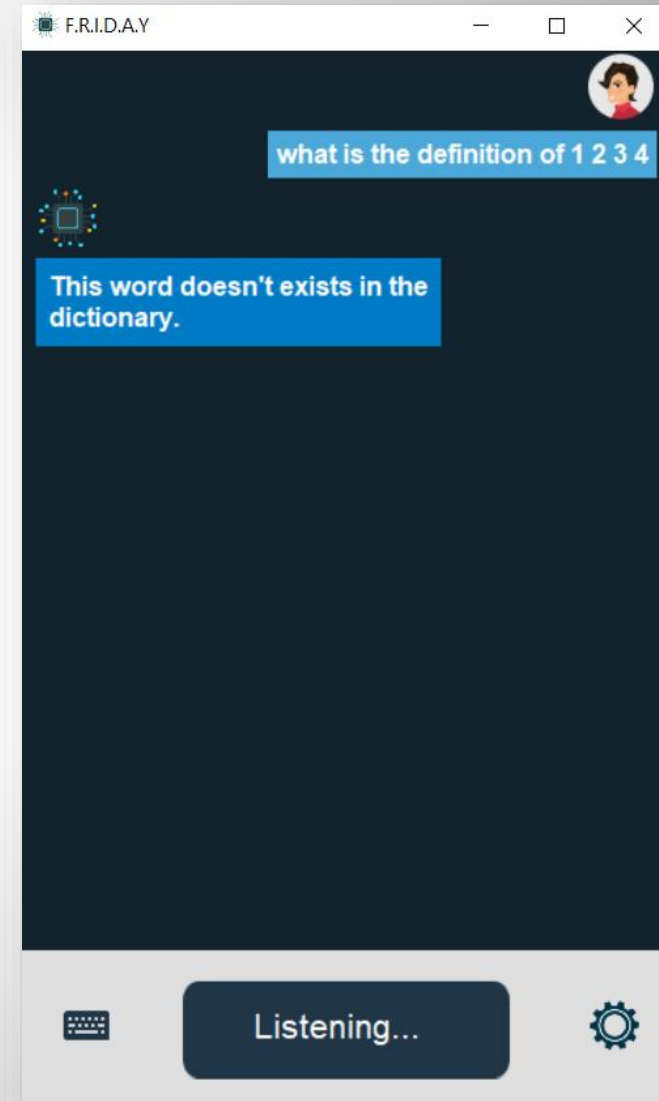
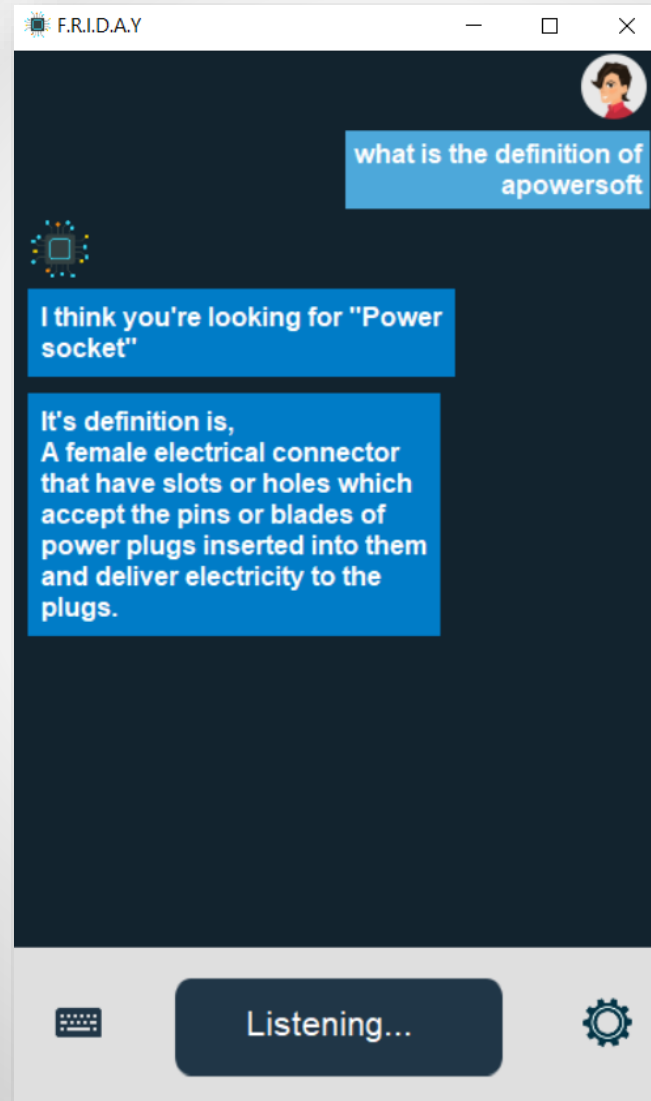
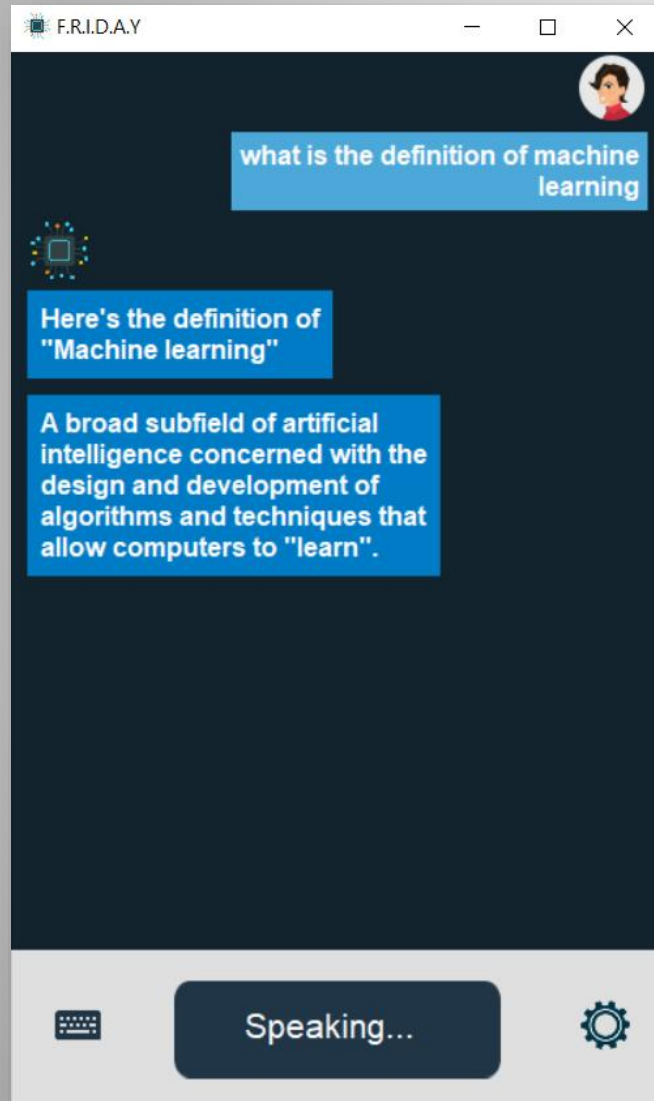


# Photo Clicker

- OpenCV

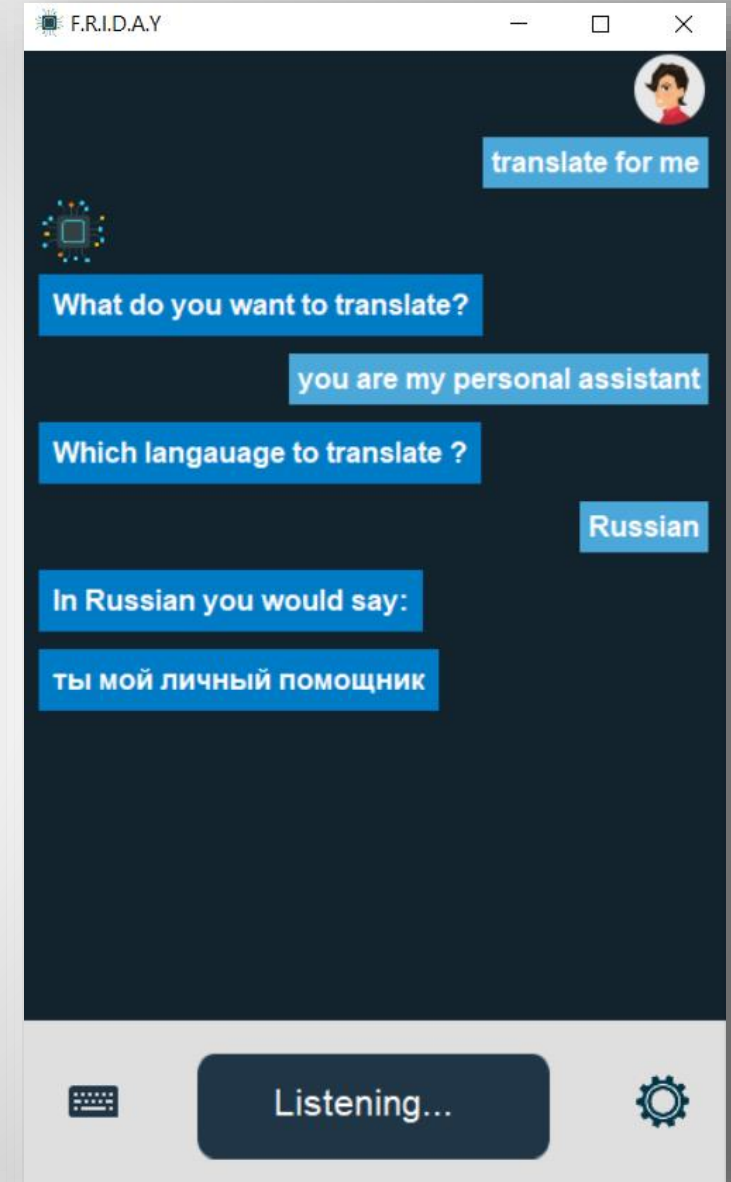
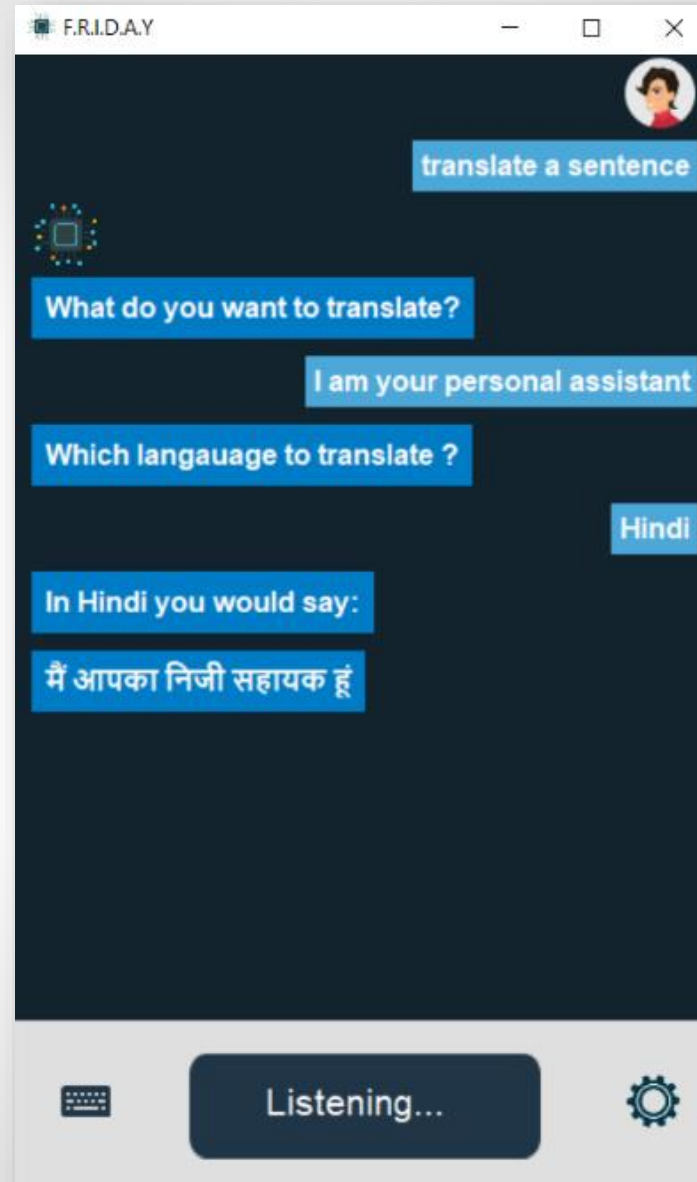


# Smart Dictionary (JSON File)

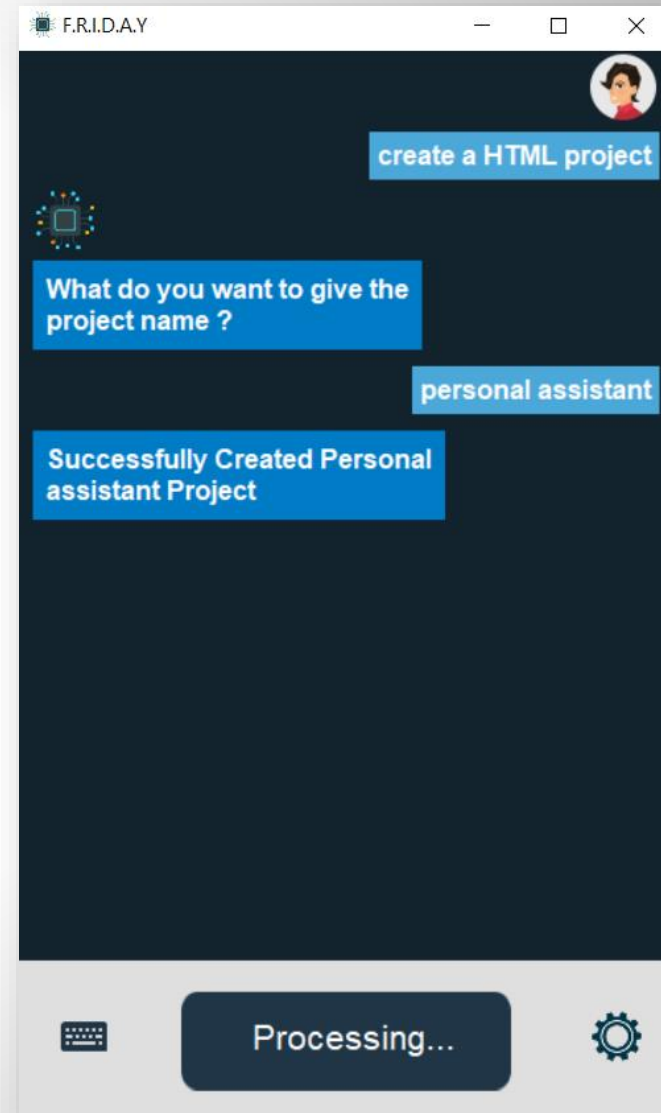
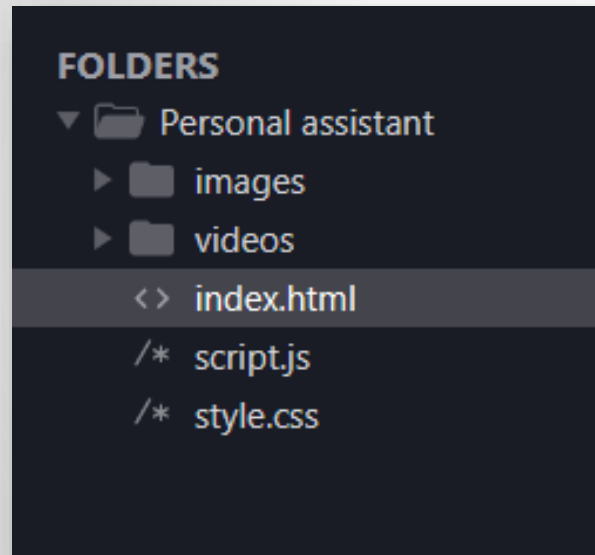


# Translator

- googletrans

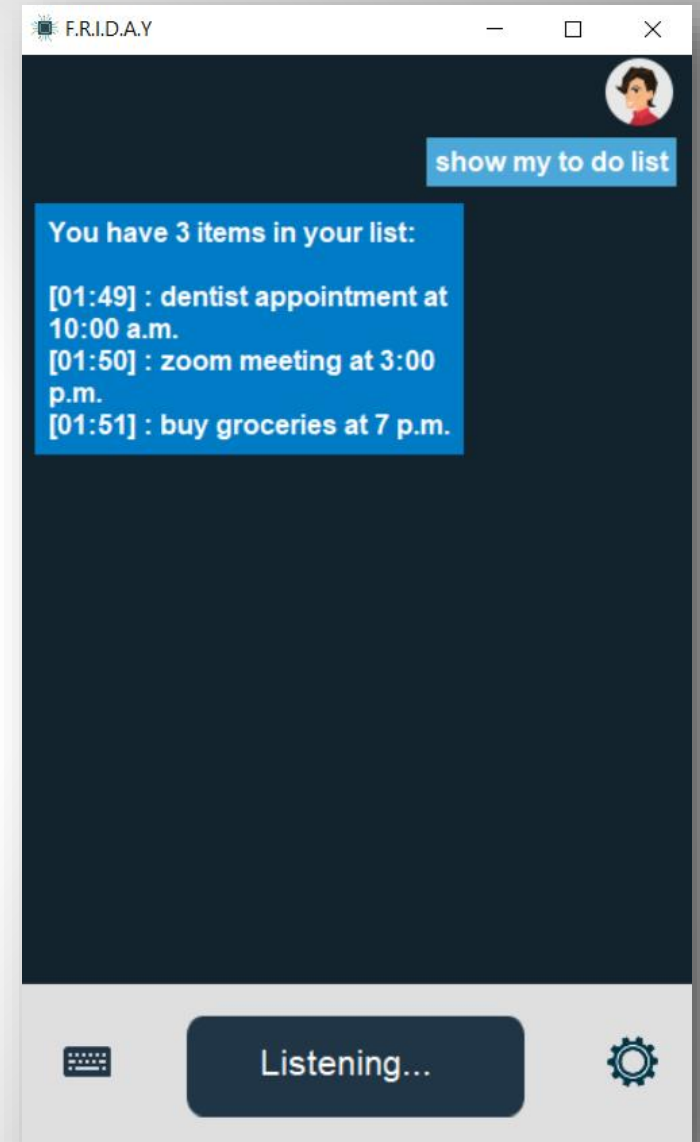
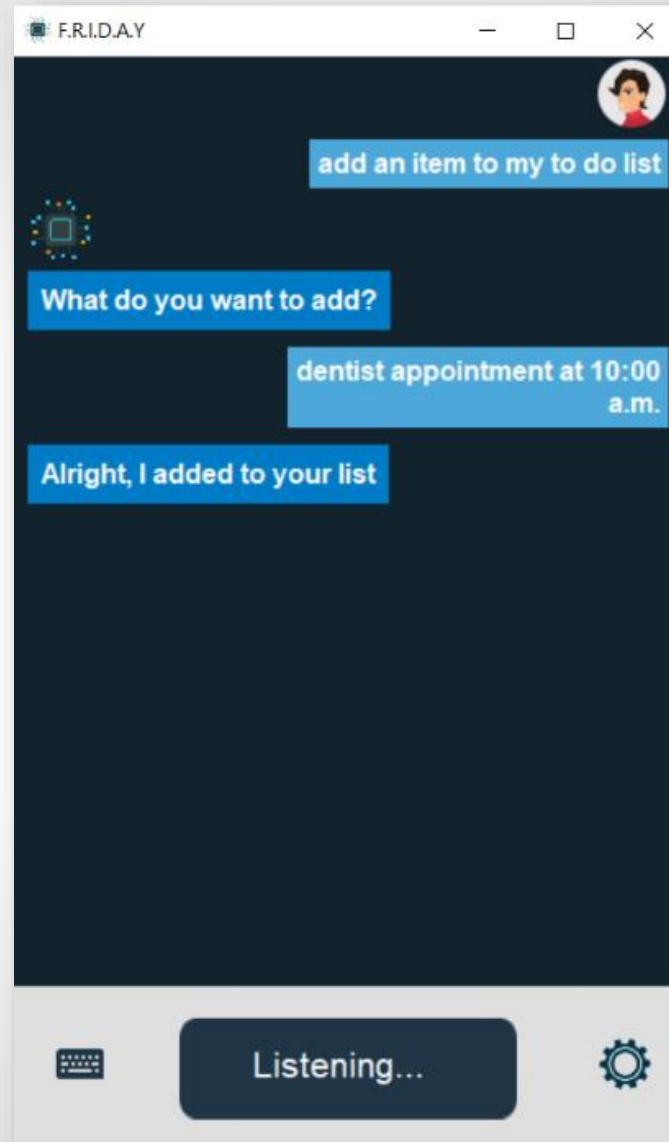


# Web Development Automation



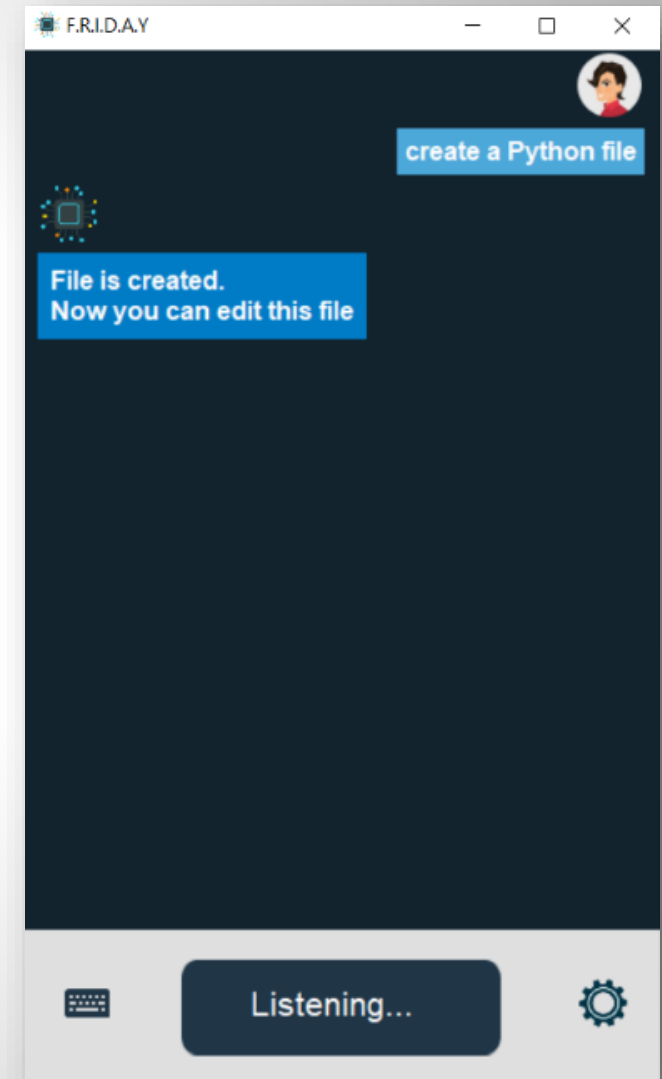
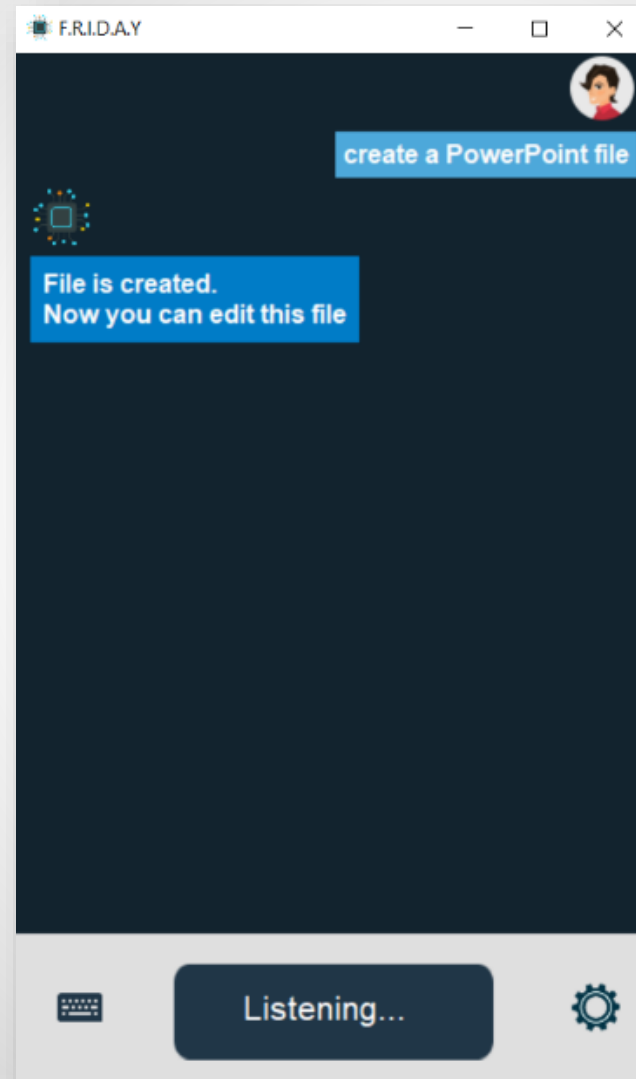
# To-Do List

- datetime



# File Operations

- Creating
- Opening



# Math Calculations



## Basic Operations

- +, -, \*, /, power, root

## Trigonometry

- Sin, Cos, Tan

## Conversions

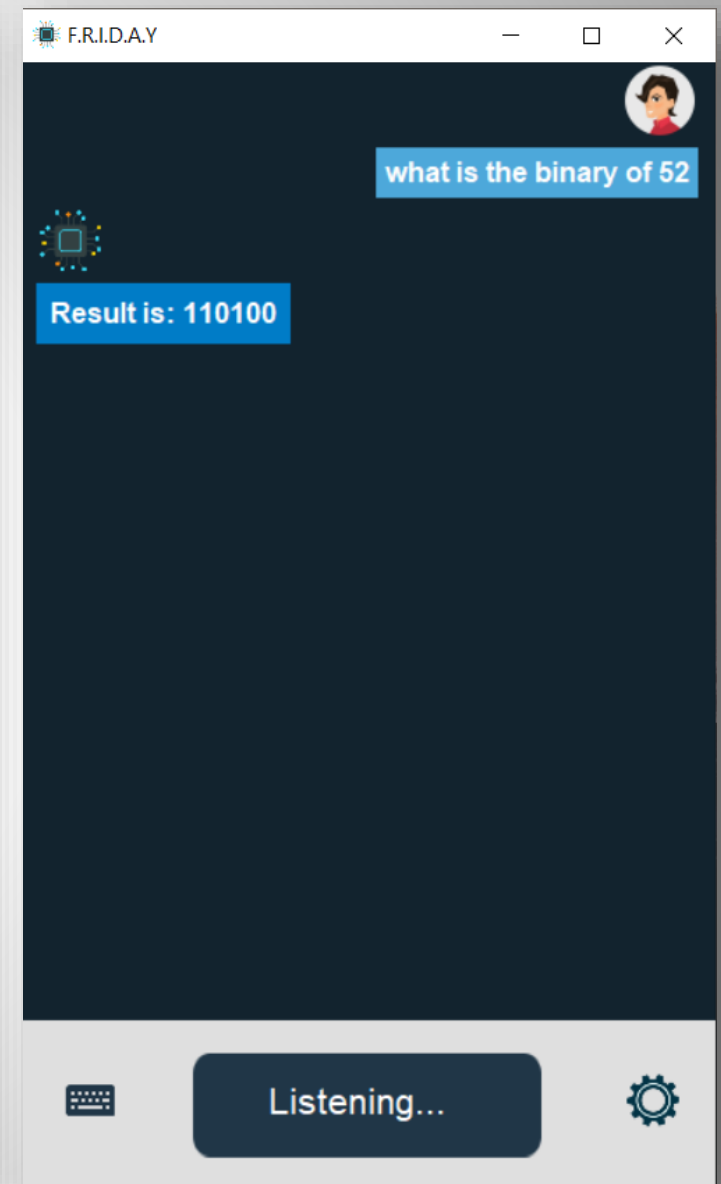
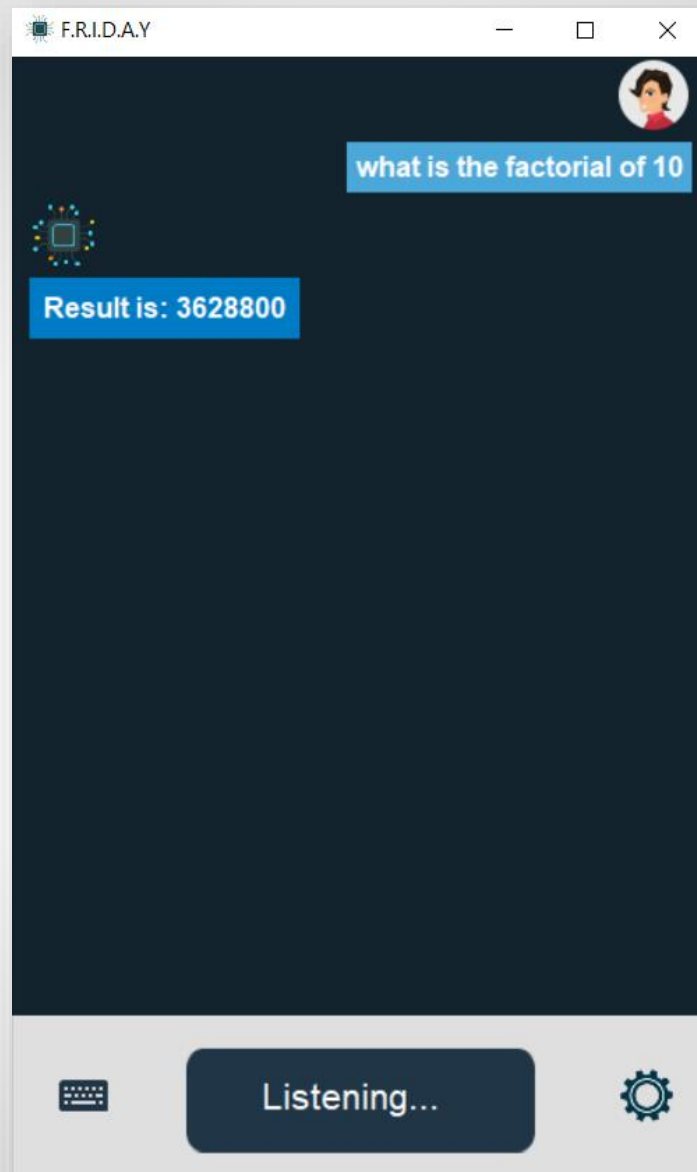
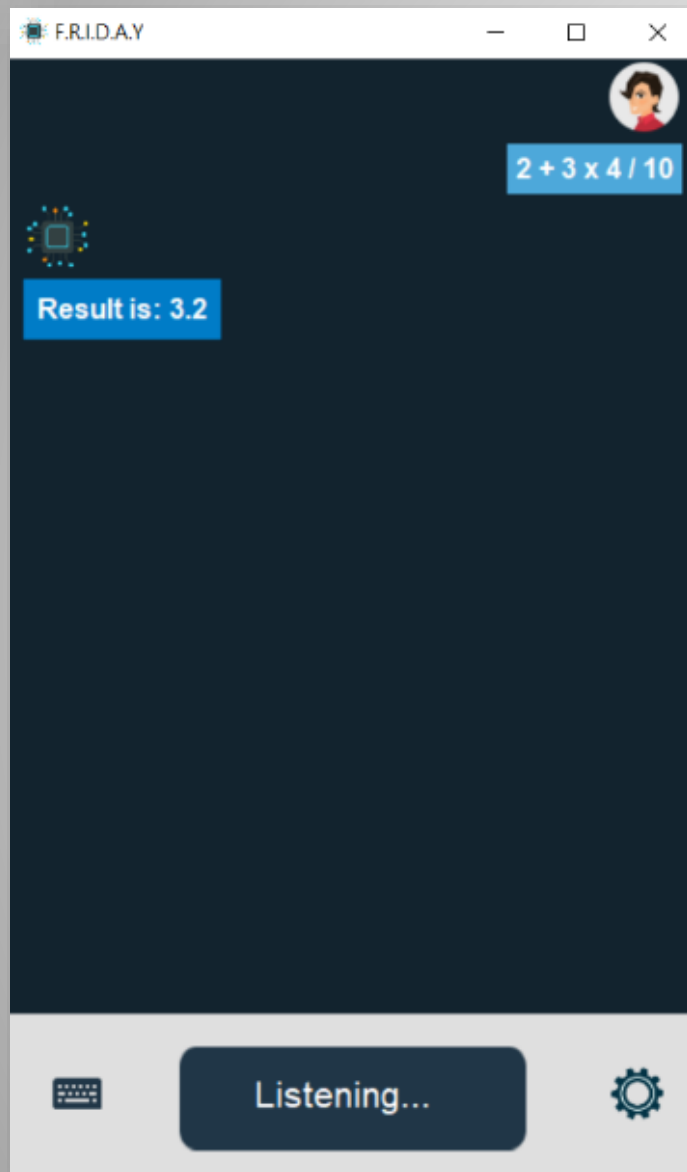
- Binary, Octal, Hexadecimal

## Bitwise Operations

- Right Shift, Left Shift, And, OR, XOR, Not

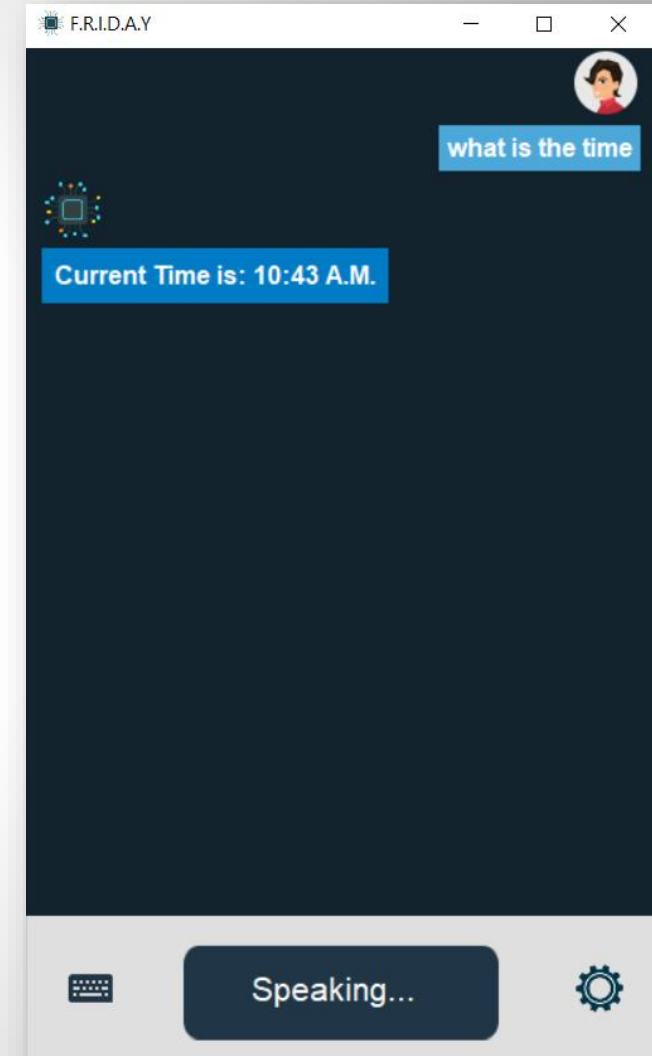
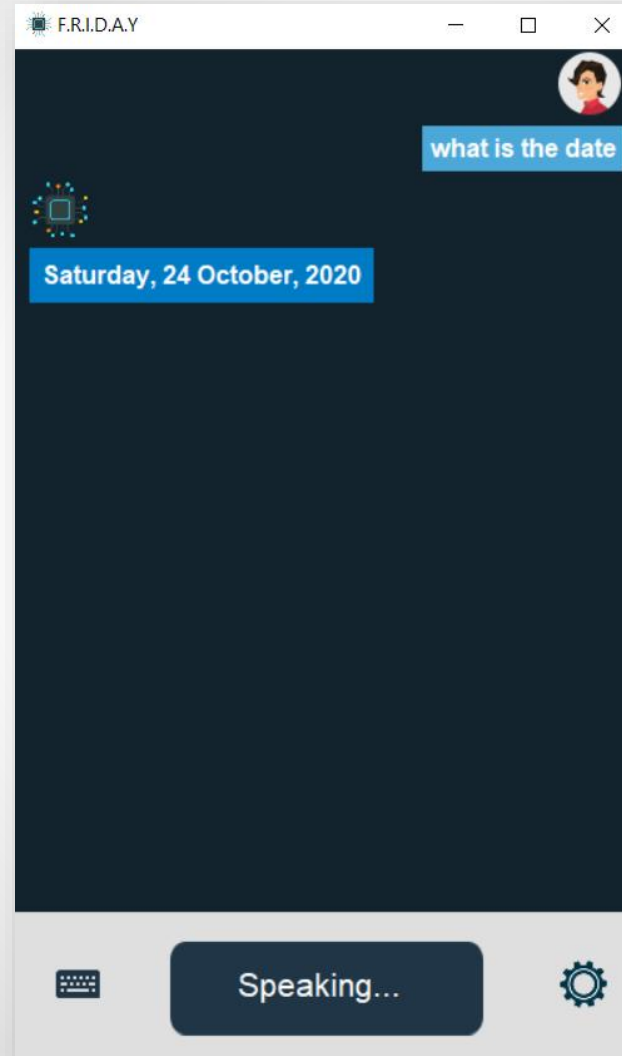
## Factorial, Logarithmic





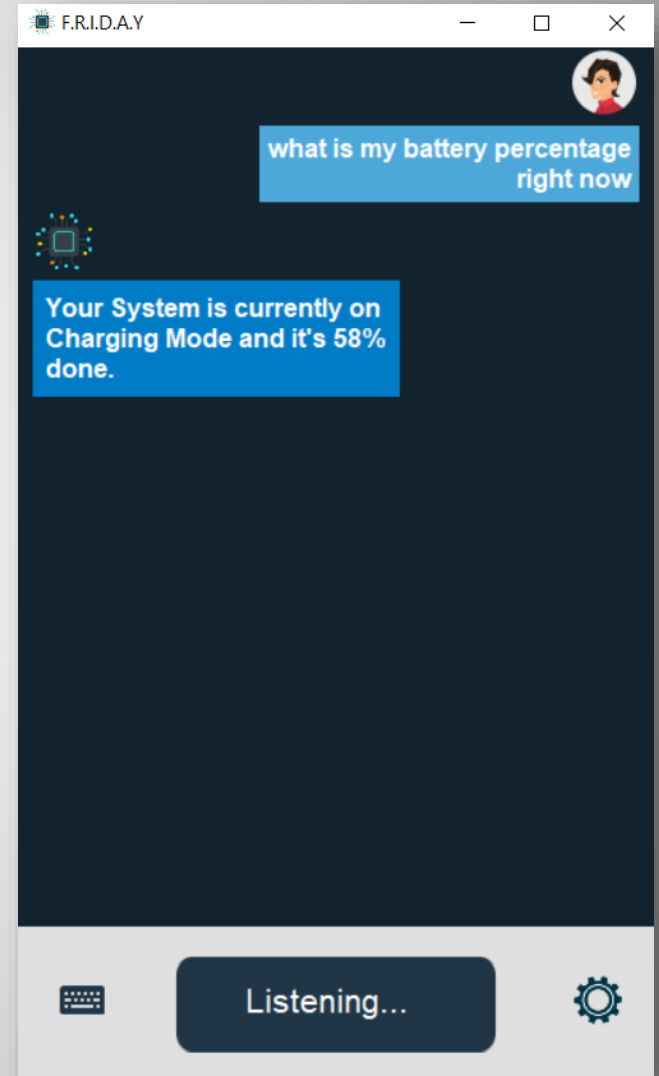
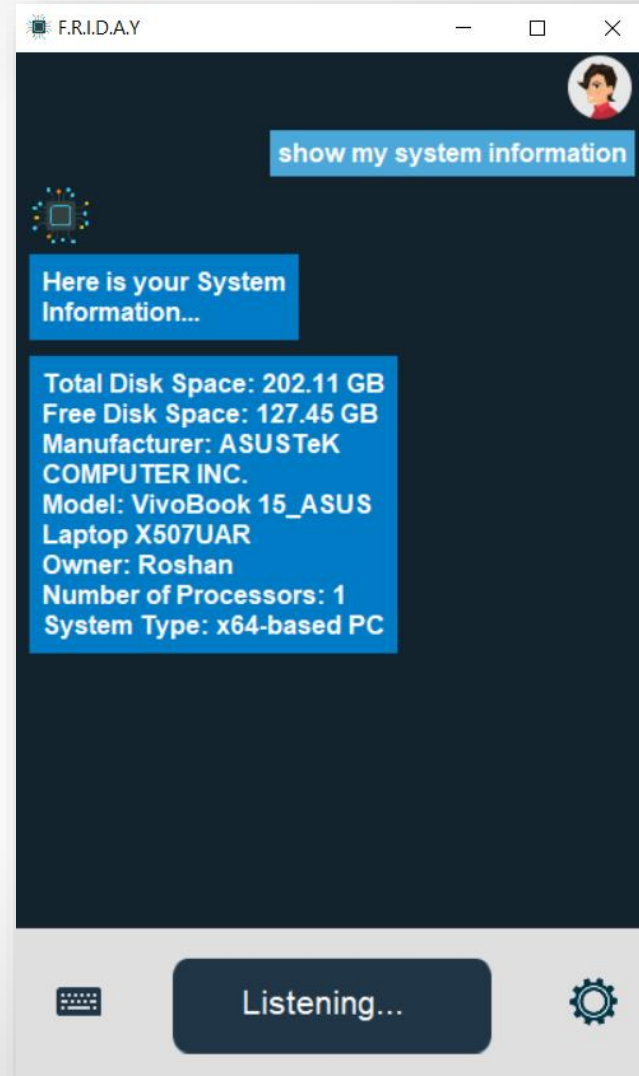
# Date & Time

- datetime



# System Information

- OS
- psutil



# Controlling System

- Window Tasks
- Tab Tasks
- Keyboard Tasks
- Volume Control
- Opening System Apps
- Opening Websites

# Normal Chats

**User** : What is my name?

**Assistant:** Your name is, XYZ

**User** : How are you?

**Assistant:** I'm good, what about you?

**User** : Who are you?

**Assistant:** Did I forget to Introduce myself? I'm your Personal Assistant.

**User** : I'm alone

**Assistant:** Don't feel lonely. I'm always with you.

**User** : Tell me something

**Assistant:** Hmm, you can ask me to tell a joke.

**User** : Which colour you like ?

**Assistant:** I like all the 7 Colours of a rainbow.

**User** : I have a question

**Assistant:** Ask me, I can help you.

**User** : You are so funny

**Assistant:** Good to know, that I'm funny - Haha !

# Conclusion & Result

F.R.I.D.A.Y. can make day to day tasks easier to perform. We can send emails, search queries in Google, search for videos on YouTube, retrieving images, live weather conditions, word meanings, and telling the user about the scheduled events and tasks. It helps to make a regular user, a power user. The project is made in such a way that it can tackle every user query efficiently. By working on the project we broadened our horizon of knowledge. This project is just the first step towards learning advanced technologies.

# Bibliography

- <https://stackoverflow.com/>
- <https://www.geeksforgeeks.org/>
- <https://www.youtube.com/>
- <https://github.com/>



Thank you !!!