

# **MINOR PROJECT-I REPORT**

**On**

**John Wick - The Assistant**

Submitted to department of computer science & engineering in partial fulfillment  
of the requirement for the Bachelor of Technology 5th semester

**Bachelor of Technology  
in  
COMPUTER SCIENCE AND ENGINEERING**

**Submitted By  
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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**Gyan Ganga College of Technology**

**Jabalpur, Madhya Pradesh**

**November 2021**

## PREFACE

Minor Project-I is an integral part of Bachelor of Technology and each and every student has to create the Minor Project-I in the 5th Semester while studying in Institute.

This record is concerned about our practical Minor Project-I during 5th Semester i.e., third year of Bachelor of Technology course. We have taken our Practical Minor Project-I in "JOHN WICK - THE ASSISTANT". During this Minor Project-I, we got to learn many new things about the technology and its practical implementation. This Minor Project-I proved to be a milestone in our knowledge of present environment. Every say and every moment was an experience in itself, an experience which theoretical study can't provide.



## **ACKNOWLEDGEMENT**

It is our pleasure to be indebted to various people, who directly or indirectly contributed in the development of this work and who influenced my thinking, behavior and acts during the course of study.

We express my sincere gratitude to ***Dr. Neeraj Shukla*** worthy Principal for providing me an opportunity to undergo Minor Project in E-HealthCare System.

We are thankful to Dr. ***Ajay Lala***, HOD department of Computer Science and Engineering for his support, cooperation, and motivation provided to me during the Minor Project for constant inspiration, presence and blessings.

We also extend my sincere appreciation to ***all the faculties of department of Computer Science and Engineering*** who provided his valuable suggestions and precious time in accomplishing my Minor Project-I report.

Lastly, we would like to thank the almighty and my parents for their moral support and my friends with whom we shared our day-to day experience and received lots of suggestions that my quality of work.

**TEAM - THRII**



## DECLARATION

We, team THRII, students of B.Tech (Semester- V) of the **Gyan Ganga College of Technology, Jabalpur** hereby declare that the Minor Project-I Report entitled "JOHN WICK - THE ASSISTANT" is an original work and data provided in the study is authentic to the best of my knowledge. This report has not been submitted to any other Institute for the award of any other degree.

**Team - THRII**

**Place:** Jabalpur  
**Date:**

---

This is to certify that above statement made by the candidate is correct to the best of our knowledge.

Approved by:

(Name of the Guide)

**Prof. Om Singh Parihar**  
Project Coordinator  
Assistant Professor  
Department of CSE  
GGCT, JABALPUR

.....  
Designation  
Department of CSE,  
GGCT, JABALPUR

**Dr. Ajay Lala,**  
Hod (CSE),  
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GGCT, JABALPUR



## **GYAN GANGA COLLEGE OF TECHNOLOGY JABALPUR (MP)**



**Approved by AICTE New Delhi & Govt. of M.P.  
(Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal)**

### **Certificate**

This is to certify that the Minor Project-I report entitled “ JOHN WICK - THE ASSISTANT” is submitted by Team THRII for the partial fulfillment of the requirement for the 5th semester of Bachelor of Engineering in Department of Computer Science & Engineering from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P).

**Prof. Om Singh Parihar  
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## **1. INTRODUCTION**

### **1.1 PROBLEM IDENTIFICATION**

How to make our PC/Desktop more smarter to operate our operating system.  
To create such type of software where you will not operate your O.S. manually.

### **1.2 EXISTING SYSTEM STRENGTHS-**

1. Innovative pc/desktop assistant offers voice commands to access your PC/Desktop .
2. Tells you about the date, time, weather , voice search , jokes , access files (music , downloads) , and control your apps .
3. Takes up very less place so doesn't affect the smoothness of the system.

### **DRAWBACKS OF EXISTING SYSTEM**

1. Upgraded version of Windows required ( more than Windows XP ),  
Windows 7 can resist some features / functionalities
2. Internet connection required (for the features requires use of internet).

### **1.3 PROPOSED SYSTEM**

#### **OVERVIEW**

For this problem, we proposed the solution to operate our desktop/pc through voice commands using technologies like Artificial Intelligence(AI) .



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## **2. REQUIREMENT ANALYSIS AND MODELLING**

### **2.1 OVERVIEW**

The process of studying and analyzing the customer (or software) and the user needs to arrive at a definition of a problem domain and system requirements. The objective is to discover the boundaries of the new system and how it must interact with its environment within the new problem domain.

Modeling is a concept of abstraction in analyzing or designing a system. Modeling may be representing in terms of a set of diagrams, phrases or in some other forms through which it presents the relevant information.

### **2.2 FUNCTIONALITY-**

We made this project to simplify your work in a good way. With this you operate your operating system on your voice commands. You can open any applications/files and much more just with your voice.

Simply you need to say proper commands which were assigned to our software then only you will access your applications.

### **2.3 TECHNOLOGY STACK -**

**Python - ver 3.9.6**

**Libraries used -**

- 1.pyttsx3 - is a text-to-speech conversion library in Python
2. datetime - the module supplies classes for manipulating dates and times.
- 3.Speech Recognition - as the name suggests, refers to automatic recognition of human speech.
- 4.Wikipedia - is a Python library that makes it easy to access and parse data from Wikipedia.
- 5.Web browser -is the module provides a high-level interface to allow displaying Web-based documents to users.
- 6.OS - this module in Python provides functions for creating and removing a directory (folder), fetching its contents, changing and identifying the current directory, etc.
7. pyjokes - is a python library that is used to create one-line jokes for users.
8. pyautogui - the best one where you can press any key without actually pressing (touching) them.
9. pywhatkit - for features used in whatsapp automation.



## **2.4 HARDWARE REQUIREMENT**

Minimum Hardware requirements: -

- RAM 4Gb
- FREE SPACE 5 Gb
- INPUT DEVICES- Microphone
- OUTPUT DEVICES- Speaker

## **2.5 SOFTWARE REQUIREMENT**

- OPERATING SYSTEM : Windows 7/ XP/8/10/11
- LANGUAGE USED : Python (ver 3.9.6) and libraries.

## **2.6 CONSTRAINTS**

The computers must be equipped with web browsers such as internet explorer.  
The product must be stored in such a way that allows the client easy access to it.  
Response time for loading the product should take no longer than 5 minutes.  
A general knowledge of basic computer skills is required to use the product.

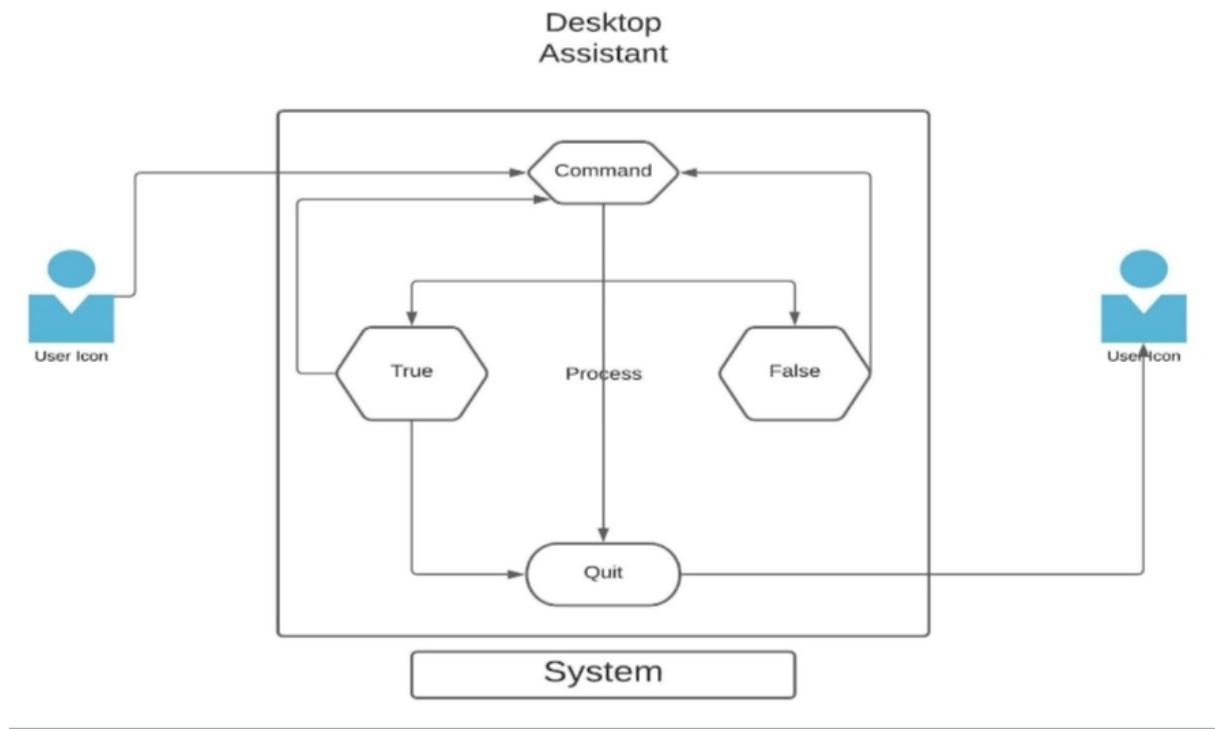
## **2.7 INTENDED AUDIENCE**

1. If the user don't know how to operate O.S. then he/she can operate on simple voice commands.
2. In this busy world we already have a lot to do, further with this application users save their time too.
3. For our generation this is a cool innovation as they always want something new.

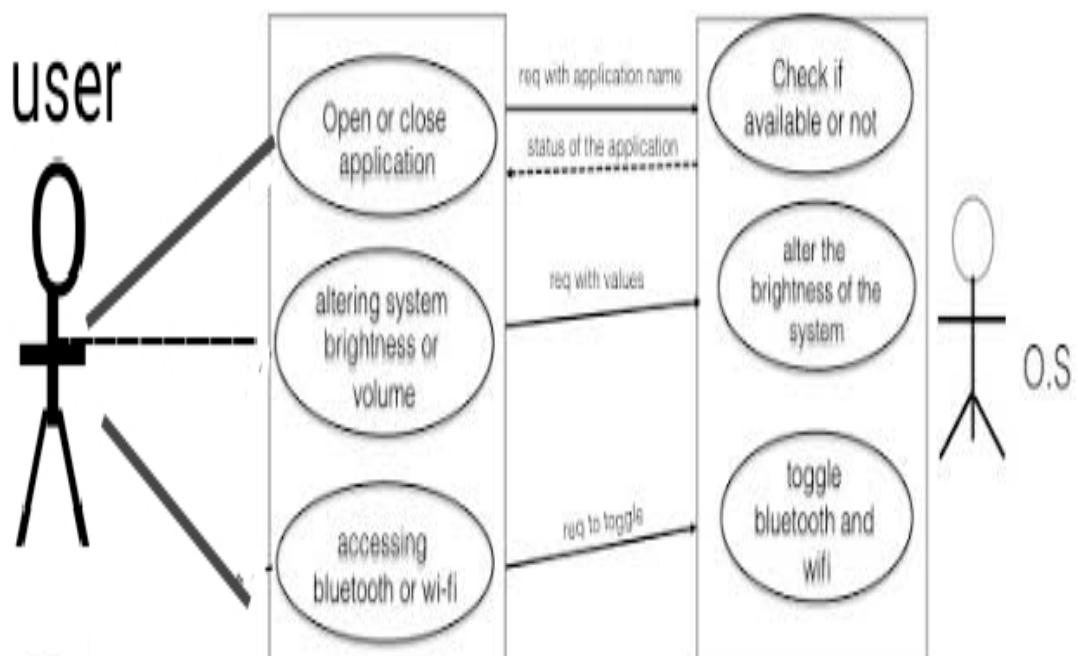


### 3. DIAGRAMS

#### i). USE CASE DIAGRAM



#### ii). ACTIVITY DIAGRAM



## **4. SOFTWARE DESIGN**

### **4.1 OVERVIEW**

Software Design is a process to transform user requirements into some suitable form, which helps the programmer in software coding and implementation. Software Design is the first step in SDLC (Software Design Life Cycle), which moves the concentration from problem domain to solution domain. It tries to specify how to fulfill the requirements mentioned in SRS.

### **4.2 SOFTWARE ARCHITECTURE**

Software Architecture is the defining and structuring of a solution that meets technical and operational requirements. Software architecture optimizes attributes involving a series of decisions, such as security, performance, manageability. These decisions ultimately impact application quality, maintenance, performance and overall success.

### **4.3 MODULES**

A module is a software component or part of a program that contains one or more routines. One or more independently developed modules make up a program. An enterprise-level software application may contain several different modules, and each module serves unique and separate business operations.

Modules make a programmer's job easy by allowing the programmer to focus on only one area of the functionality of the software application. Modules are typically incorporated into the program (software) through interfaces.



## 5.SAMPLE SCREENSHOT

### Initializing John-Wick-

A screenshot of the Visual Studio Code interface. The title bar reads "johnwick.py - john wick - Visual Studio Code". The left sidebar has icons for File, Edit, Selection, View, Go, Run, Terminal, and Help. The main area shows a terminal window titled "TERMINAL". The terminal output is as follows:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\##MINOR_PROJECT\john wick> & C:/Users/guneet/AppData/Local/Programs/Python/Python39/python.exe "c:/##MINOR_PROJECT/john wick/johnwick.py"
Hello There!!
Good Evening!
I'm John Wick, how can I help you?
```

The status bar at the bottom shows "master" and "Python 3.9.6 64-bit".

### John -Wick Telling About Itself-

A screenshot of the Visual Studio Code interface, identical to the previous one but with more terminal output. The title bar and sidebar are the same. The terminal output is as follows:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\##MINOR_PROJECT\john wick> & C:/Users/guneet/AppData/Local/Programs/Python/Python39/python.exe "c:/##MINOR_PROJECT/john wick/johnwick.py"
Hello There!!
Good Evening!
I'm John Wick, how can I help you?
Listening...
Recognizing...
User said: tell us about yourself

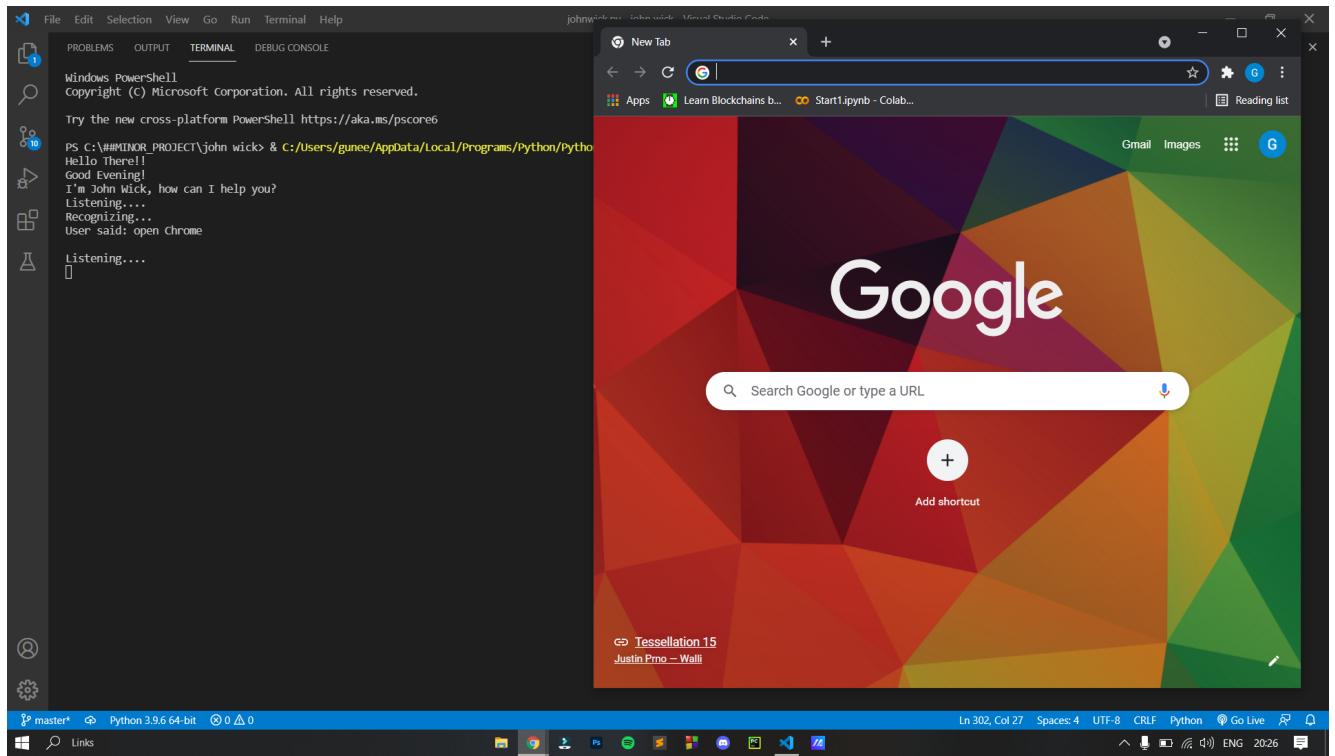
Well, I'm john wick. I am an AI based desktop assistant. I help people making their PC experience better. I was developed By Guneet, Ishita and mayank for their third year minor project. Also i'm smart
er than anyone in this room, and my creators are fabulous
```

The status bar at the bottom shows "master" and "Python 3.9.6 64-bit".

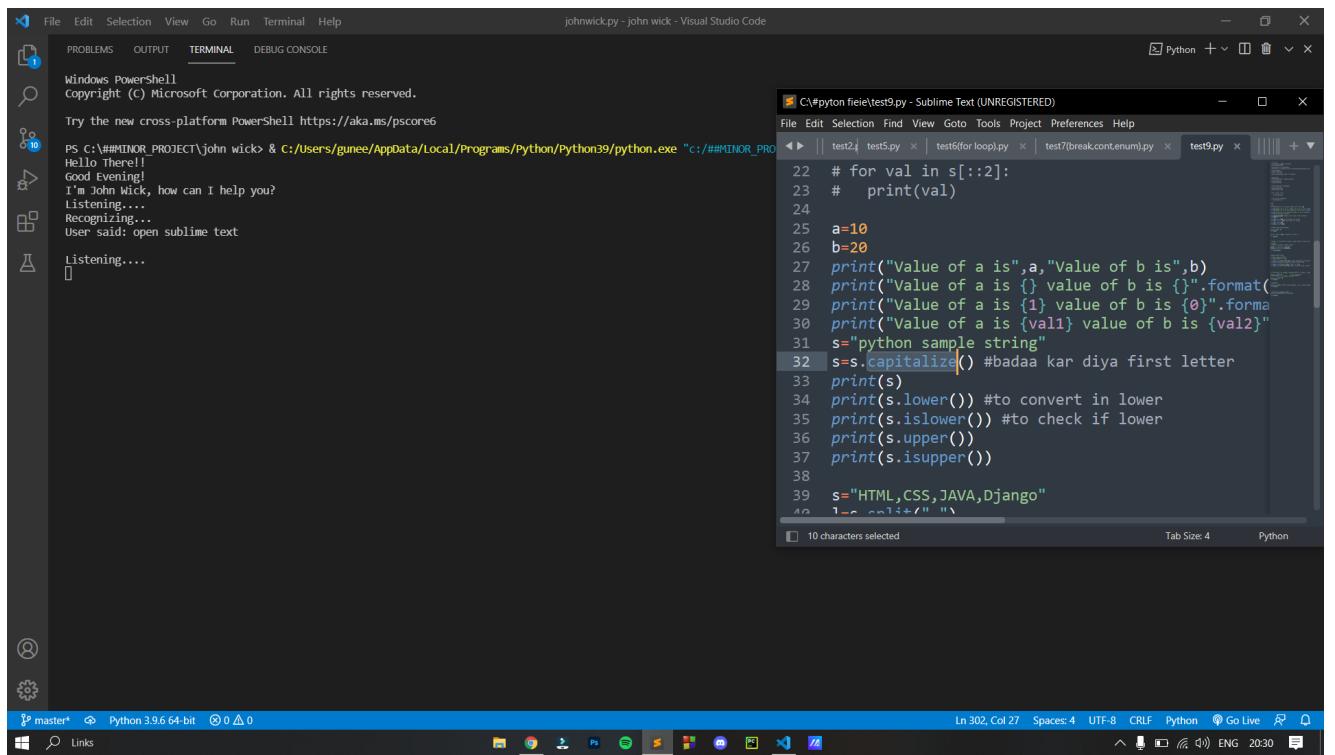


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## Opening Chrome -

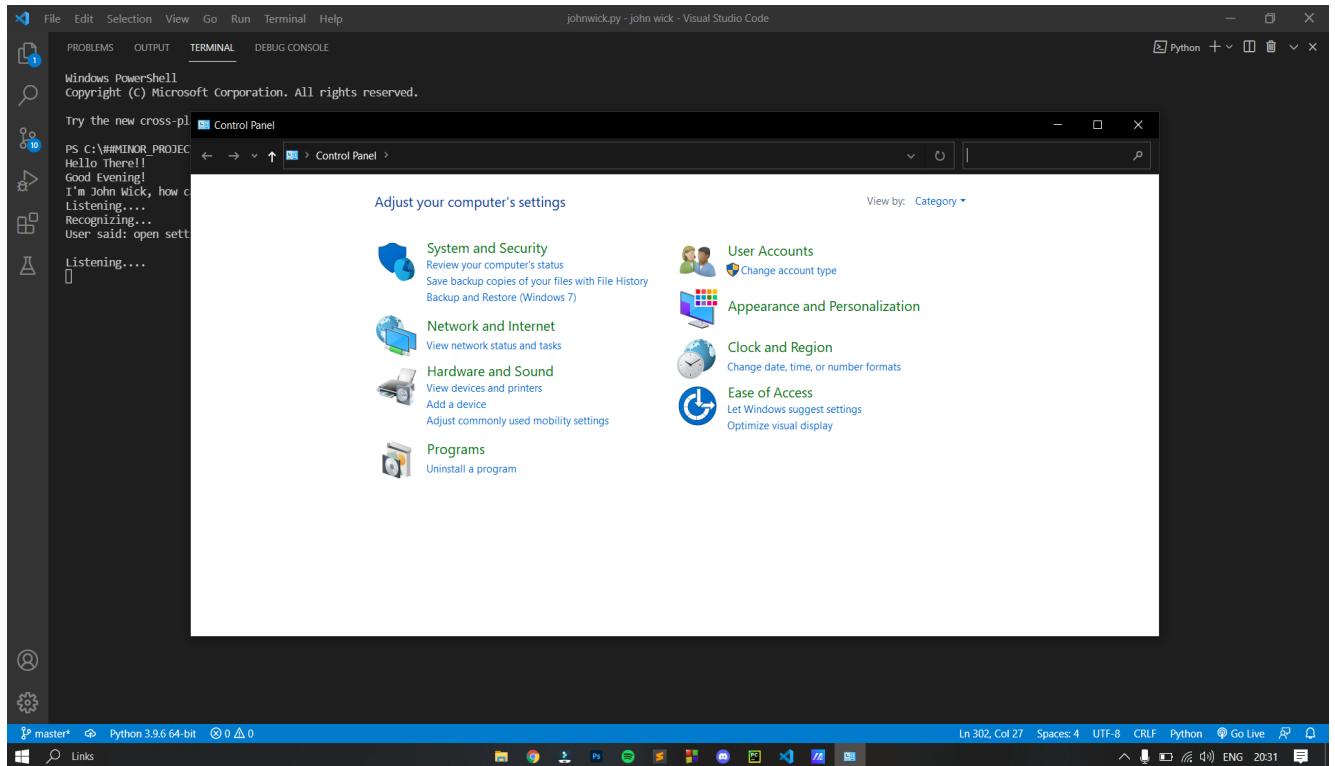


## Opening Sublime Text-

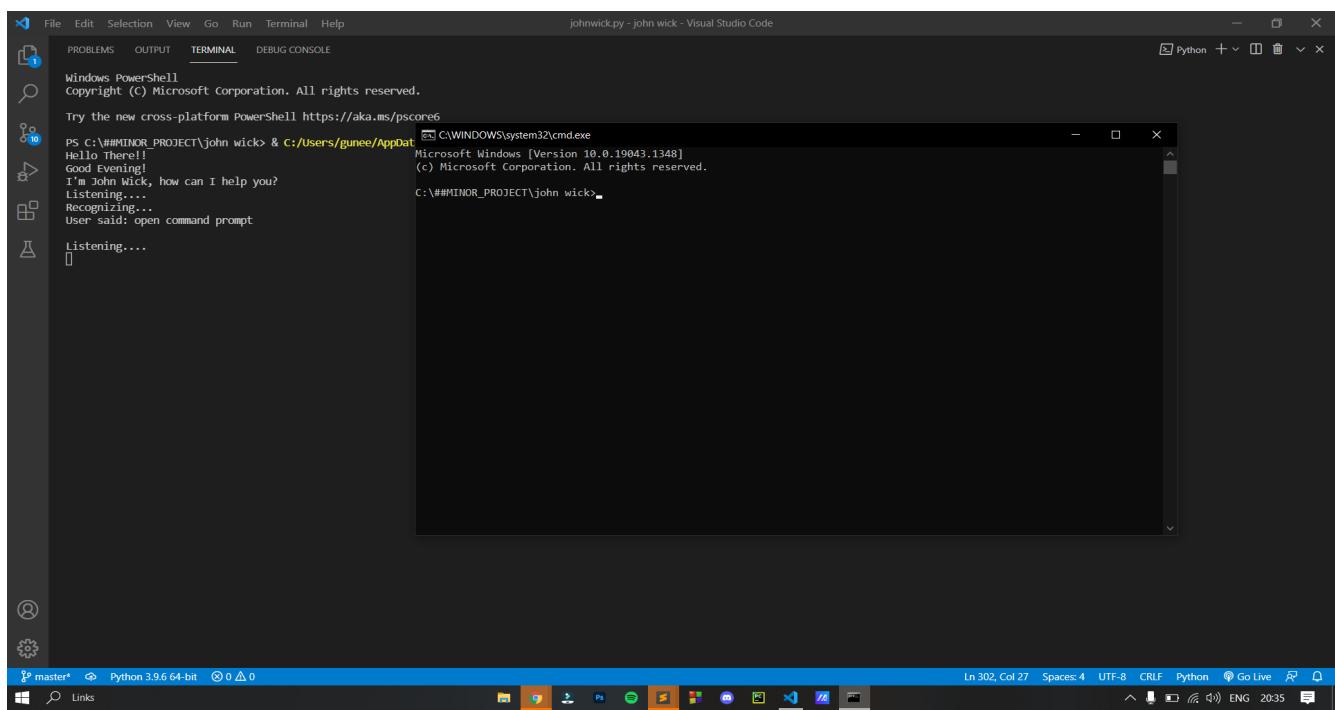


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## Opening Settings-

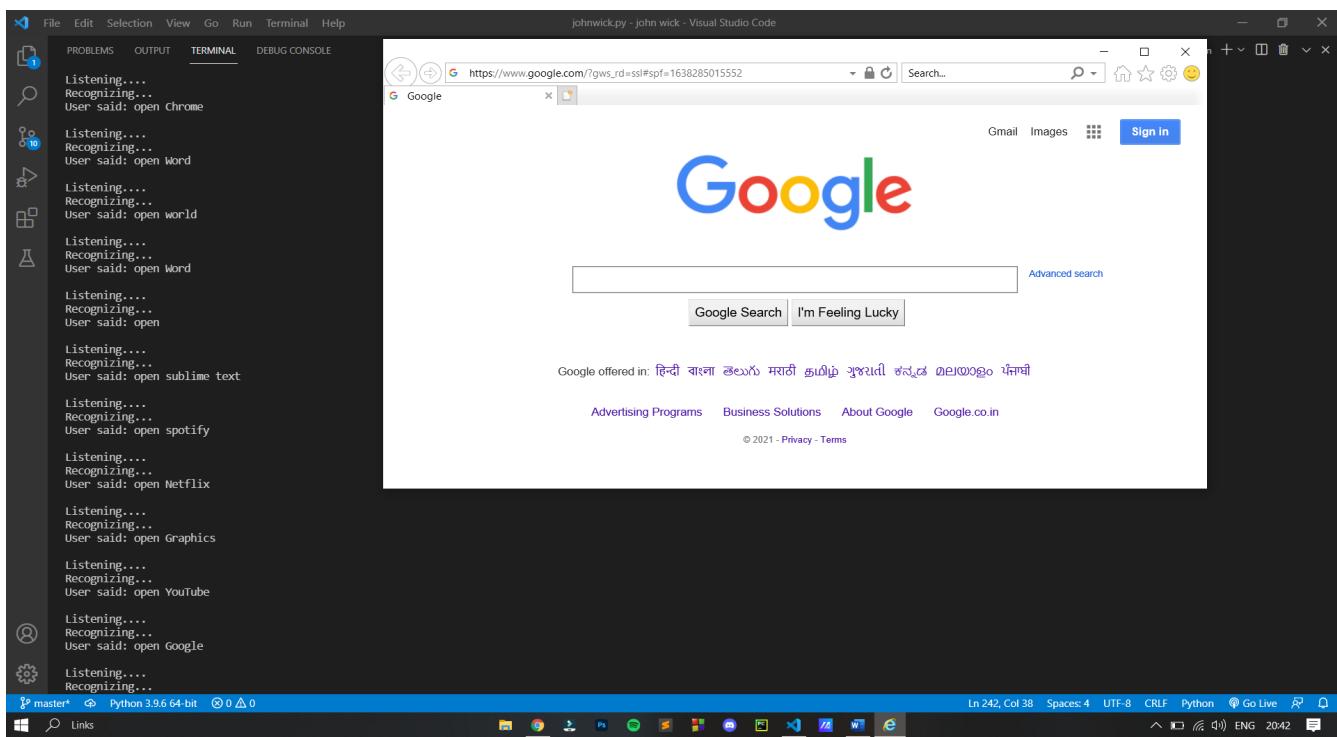


## Opening Command Prompt -

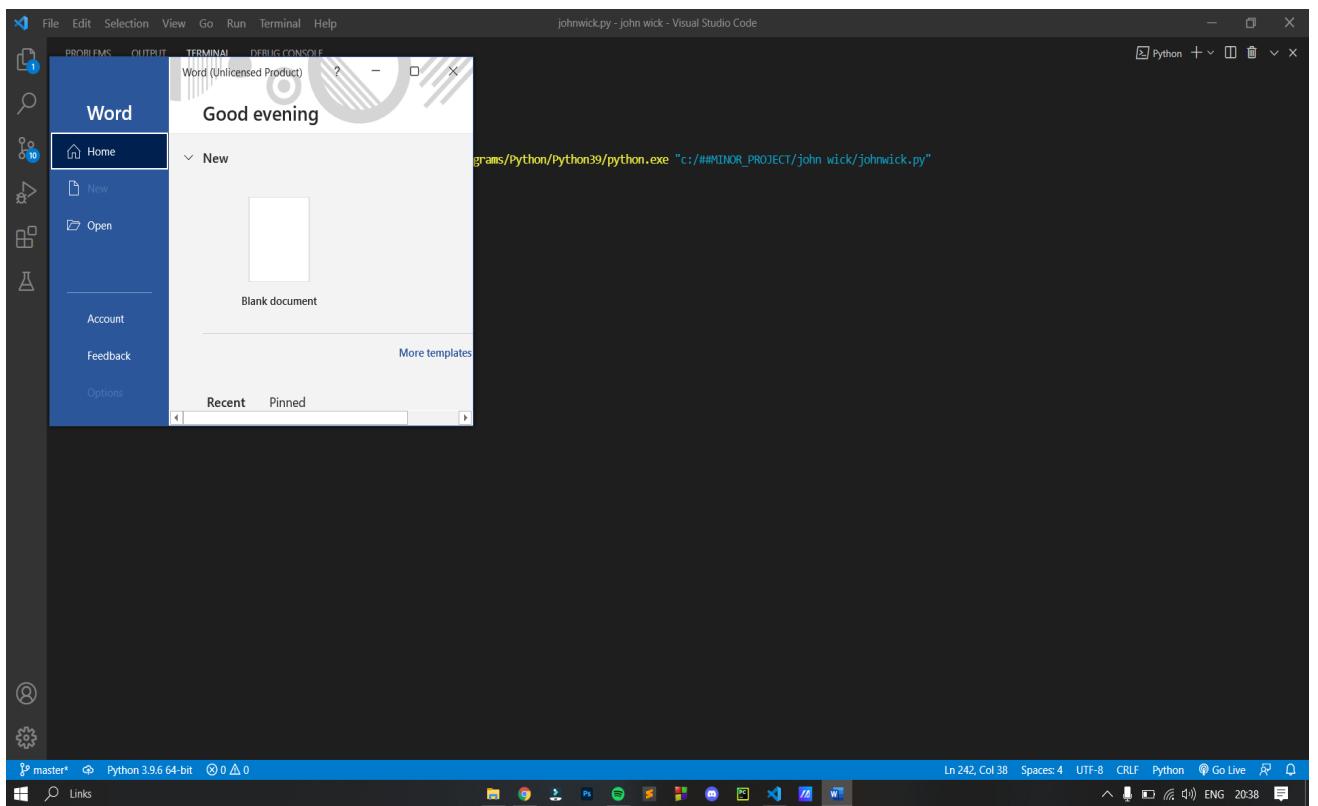


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## Opening Google -

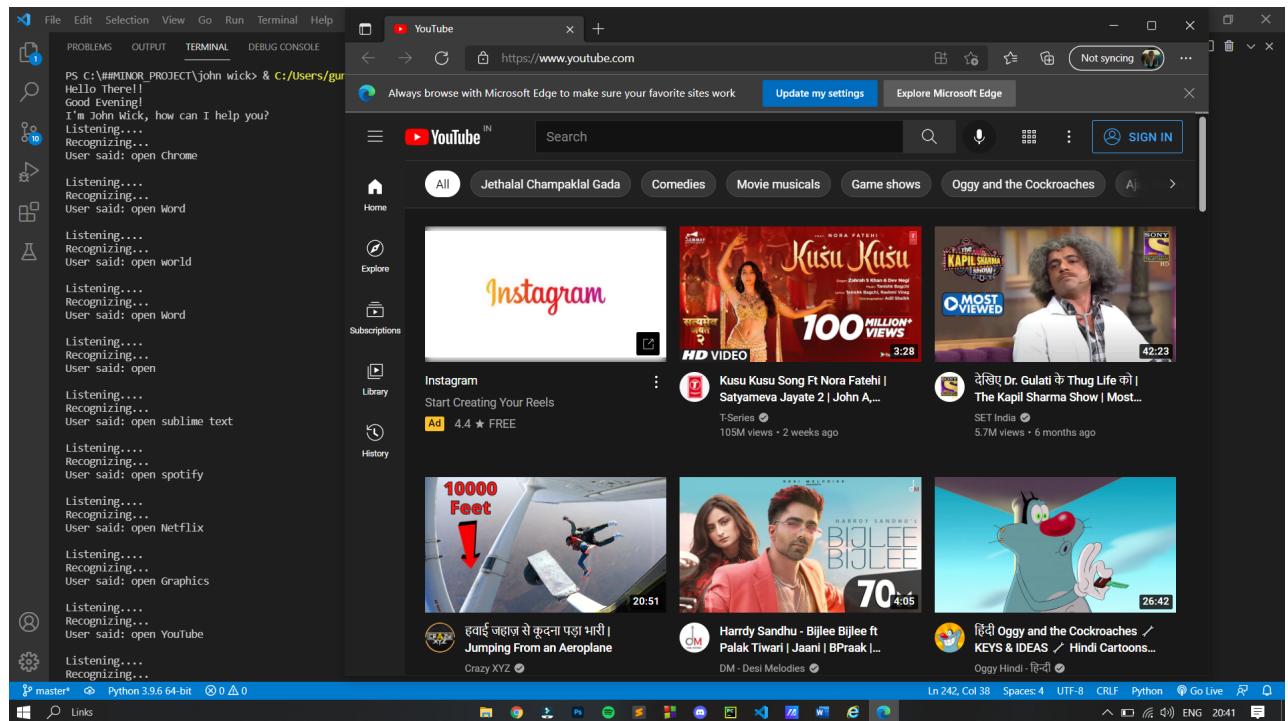


## Opening Word-

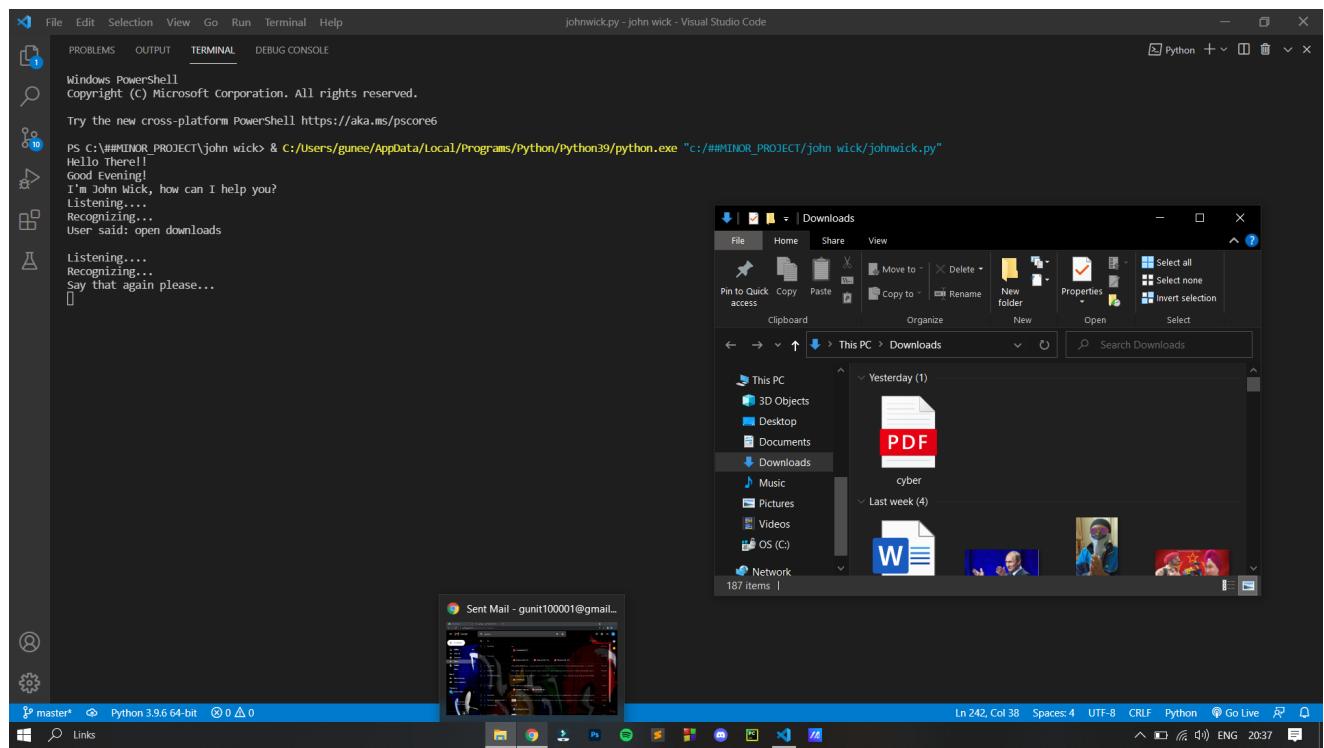


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## Opening Youtube-



## Opening Downloads Files-



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## Modifying Volume -

### Increasing Volume -

```
johnwick.py - john wick - Visual Studio Code
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
i PowerShell
git (C) Microsoft Corporation. All rights reserved.
> new cross-platform PowerShell https://aka.ms/pscore6
100 #MINOR_PROJECT\john wick> & C:/Users/gunes/AppData/Local/Programs/Python/Python39/python.exe "c:/#MINOR_PROJECT/john_wick/johnwick.py"
there'll
zening!
I'm John Wick, how can I help you?
Listening...
Recognizing...
User said: increase volume
Listening....
```

Ln 302, Col 27 Spaces: 4 UTF-8 CRLF Python Go Live ⚡

### Decreasing Volume-

```
johnwick.py - john wick - Visual Studio Code
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
i PowerShell
git (C) Microsoft Corporation. All rights reserved.
> new cross-platform PowerShell https://aka.ms/pscore6
98 #MINOR_PROJECT\john wick> & C:/Users/gunes/AppData/Local/Programs/Python/Python39/python.exe "c:/#MINOR_PROJECT/john_wick/johnwick.py"
there'll
zening!
I'm John Wick, how can I help you?
Listening...
Recognizing...
User said: open chrome
Listening...
Recognizing...
User said: open sublime text
Listening...
Recognizing...
Say something, please...
Listening...
Recognizing...
User said: increase volume
Listening...
Recognizing...
User said: decrease volume
Listening....
```

Ln 302, Col 27 Spaces: 4 UTF-8 CRLF Python Go Live ⚡

### Mute Volume-

```
johnwick.py - john wick - Visual Studio Code
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
i PowerShell
git (C) Microsoft Corporation. All rights reserved.
> new cross-platform PowerShell https://aka.ms/pscore6
#MINOR_PROJECT\john wick> & C:/Users/gunes/AppData/Local/Programs/Python/Python39/python.exe "c:/#MINOR_PROJECT/john_wick/johnwick.py"
there'll
zening!
I'm John Wick, how can I help you?
Listening...
Recognizing...
User said: tell a joke
Ubuntu users are apt to get this joke.
Listening...
Recognizing...
User said: mute
Listening....
```

Ln 269, Col 18 Spaces: 4 UTF-8 CRLF Python Go Live ⚡



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# Sending Whatsapp Messages

## Commanding for sending Messages on WhatsApp

The screenshot shows a Windows PowerShell terminal window within Visual Studio Code. The terminal output is as follows:

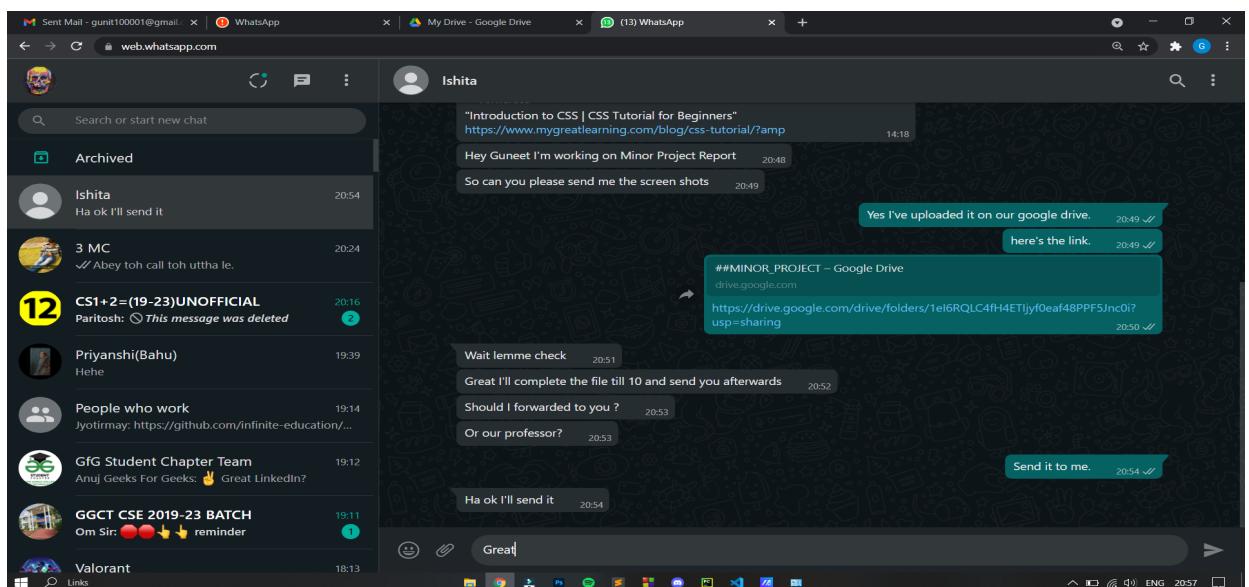
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

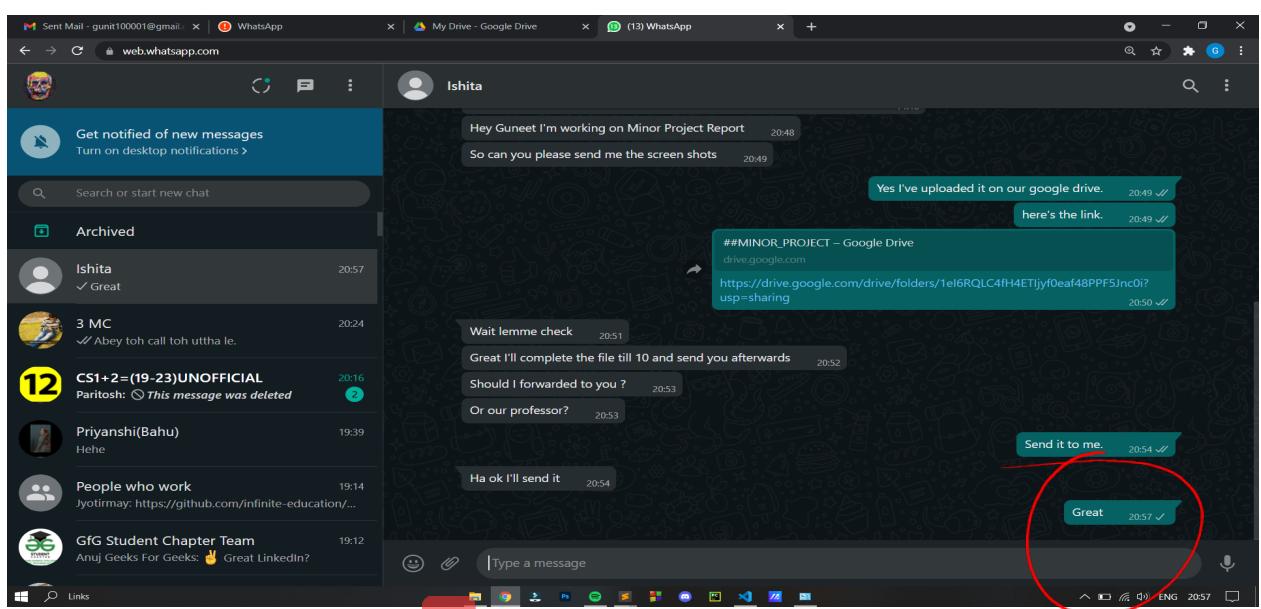
PS C:\#\#\#MINOR_PROJECT\john wick & C:/users/guneet/appData/local/Programs/Python/Python39/python.exe "c:/#\#\#MINOR_PROJECT/john.wick/johnwick.py"
Hello There!
I'm John Wick.
I'm here to help you.
Listening...
Recognizing...
User said: send a WhatsApp message

Please enter the number to message:+919111574045
Enter the msg to send:Great
Enter the time to send msg:
20
58
In 27 seconds web.whatsapp.com will open and after 20 seconds message will be delivered
```

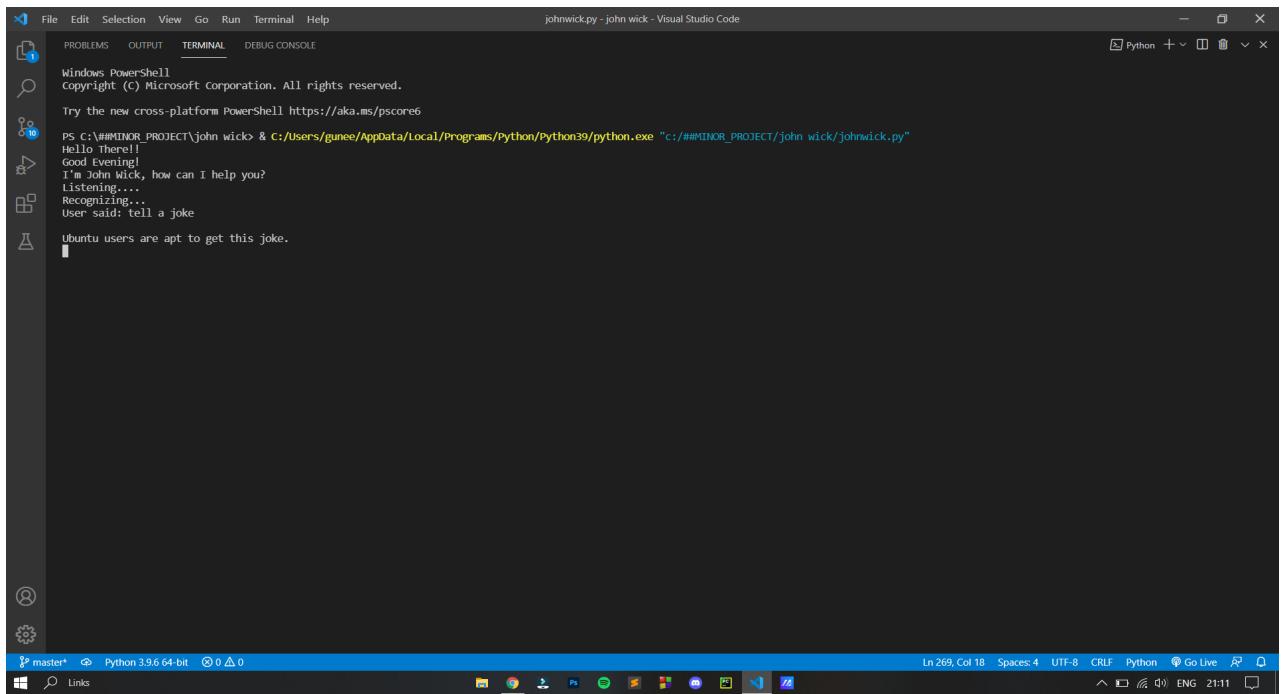
## Opening WhatsApp - Web-



## After Delivering the Message-



## Telling Joke-



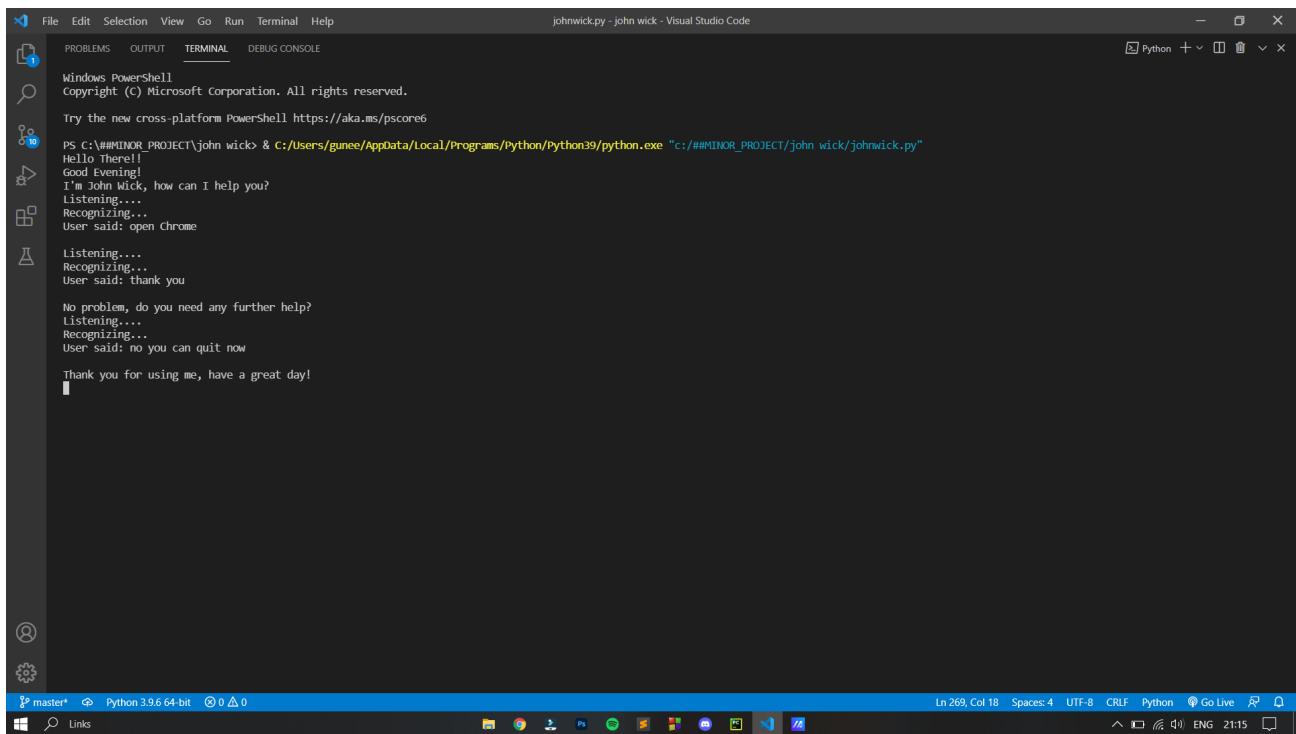
```
File Edit Selection View Go Run Terminal Help
johnwick.py - john wick - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\##MINOR_PROJECT\john wick> & C:/Users/gunee/AppData/Local/Programs/Python/Python39/python.exe "c:/##MINOR_PROJECT/john wick/johnwick.py"
Hello There!!!
Good Evening!!
I'm John Wick, how can I help you?
Listening....
Recognizing...
User said: tell a joke

Ubuntu users are apt to get this joke.

```

## Quiting-



```
File Edit Selection View Go Run Terminal Help
johnwick.py - john wick - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\##MINOR_PROJECT\john wick> & C:/Users/gunee/AppData/Local/Programs/Python/Python39/python.exe "c:/##MINOR_PROJECT/john wick/johnwick.py"
Hello There!!!
Good Evening!!
I'm John Wick, how can I help you?
Listening....
Recognizing...
User said: open chrome

Listening....
Recognizing...
User said: thank you

No problem, do you need any further help?
Listening...
Recognizing...
User said: no you can quit now

Thank you for using me, have a great day!

```



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## 6 SOURCE CODE

### Python

```
import pyts3
import datetime
import speech_recognition as sr
import wikipedia
import webbrowser
import os
import pyautogui
# import smtplib
import pyjokes
import cv2
import screenshot
#import weather_app
import pywhatkit as kit
def rootn():
    screenshot.takeScreenshot()

# def canvas1():
#     weather_app.canvas.mainloop()

engine = pyts3.init('sapi5')
voices = engine.getProperty('voices')
# print(voices[1].id) #ye dekhne ke liye thi iska use nahi
engine.setProperty('voices', voices[1].id)

#ye function bulaane se voh bolega
def speak(audio):
    engine.say(audio)
    engine.runAndWait()

#yeh function se voh apne ko wish karega, i.e. good morning good
afternoon according to time
def wishMe():
    hour=int(datetime.datetime.now().hour)
    if hour >=0 and hour<12:
        print("Good Morning!")
        speak("Good Morning!")

    elif hour>=12 and hour<18:
        print("Good Afternoon!")
        speak("Good Afternoon!")
```

```
speak("Good Afternoon!")

else:
    print("Good Evening!")
    speak("Good Evening!")

print("I'm John Wick, how can I help you?")
speak("I'm John Wick, how can I help you?")
```

```
#is function se baat sunega
def takeCommand():
    #takes microphone input aur output string form me deta hai

    r=sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening....")
        r.pause_threshold = 1
        audio = r.listen(source)

    try:
        print("Recognizing...")
        query= r.recognize_google(audio, language='en-in')
        print(f"User said: {query}\n")

    except Exception as e:
        #speak("Say that again please")
        # print(e) #isse error print hogा, jo recognizer nahi hua
        print("Say that again please...")
        speak("Say that again please...")
        return "None"
    return query
```

```
# "def sendEmail(to, content):
#     server = smtplib.SMTP('smtp.gmail.com', 587)
#     server.ehlo()
#     server.starttls()
#     server.login('youremail@gmail.com', 'your-password') #yahan
#     gmail id aur pass daalna apna
#     server.sendmail('youremail@gmail.com',to,content)
#     server.close()"
```

```
if __name__=="__main__":
    print("Hello There!!")
    speak("Hello There!!")
```



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```

wishMe()
while True:
    query= takeCommand().lower() #yaha pe lower() likhna galti
    se bhi mat hota nahi toh iterable error dega i.e loop nahi chalega,
    also lowercase nahi kiya toh bau hojayegi
    #logic for executing tasks based on query
    if 'open youtube' in query:
        webbrowser.open("youtube.com")

    elif 'wikipedia' in query:
        speak('Searching Wikipedia...')
        query = query.replace("wikipedia", "")
        results = wikipedia.summary(query, sentences=2)
        speak("According to Wikipedia")
        print(results)
        speak(results)

    elif 'tell us about yourself' in query:
        print("Well, I'm John Wick. I am an AI based desktop assistant.
I help people making their PC experience better. I was developed by
Guneet, Ishita and Mayank for their third year minor project. Also
I'm smarter than anyone in this room, and my creators are fabulous")
        speak("Well, I'm John Wick. I am an AI based desktop
assistant. I help people making their PC experience better. I was
developed by Guneet, Ishita and Mayank for their third year minor
project. Also I'm smarter than anyone in this room, and my creators
are fabulous")

    elif 'open google' in query:          #internet explorer me
    kholega
        webbrowser.open("google.com")

    elif 'open stack overflow' in query:   #internet explorer me
    kholega
        webbrowser.open("stackoverflow.com")

    elif 'send a whatsapp message' in query:
        speak("Please enter the no. to message:")
        no_to_msg=input("Please enter the number to message:")
        speak("Enter the msg to send:")
        msg_to_send=input("Enter the msg to send:")
        print("Enter the time to send msg:")
        speak("Enter the time to send msg in 24 hour format:")
        hr_for_msg=int(input())
        min_for_msg=int(input())

        kit.sendwhatmsg(f"{no_to_msg}",f"{msg_to_send}",hr_for_msg,min_
        for_msg)
        speak("Your msg delivery time details are displayed")

```



```
elif 'play music' in query:  
    music_dir = 'C:\\\\MYMUSIC'  
    songs = os.listdir(music_dir)  
    print(songs)  
    os.startfile(os.path.join(music_dir,songs[0]))  
  
elif 'tell the time' in query:  
    strTime = datetime.datetime.now().strftime("%H:%M:%S")  
    speak(f"The time is {strTime}")  
  
elif 'open vs code' in query:  
    codePath = "C:\\\\VS CODE\\\\Microsoft VS Code\\\\Code.exe"  
    os.startfile(codePath) #codepath me jo path doge wahi file  
kholega  
  
elif 'open pycharm' in query:  
    codePath = "C:\\\\Program Files\\\\JetBrains\\\\PyCharm  
Community Edition 2021.2.1\\\\bin\\\\pycharm64.exe"  
    os.startfile(codePath) #codepath me jo path doge wahi file  
kholega  
  
elif 'open code blocks' in query:  
    codePath = "C:\\\\Program  
Files\\\\CodeBlocks\\\\codeblocks.exe"  
    os.startfile(codePath) #codepath me jo path doge wahi file  
kholega  
  
elif 'open sublime text' in query:  
    codePath = "C:\\\\Program Files\\\\Sublime Text  
3\\\\sublime_text.exe"  
    os.startfile(codePath) #codepath me jo path doge wahi file  
kholega  
  
elif 'open discord' in query:  
    codePath =  
"C:\\\\Users\\\\gunee\\\\AppData\\\\Local\\\\Discord\\\\app-  
1.0.9003\\\\Discord.exe"  
    os.startfile(codePath)  
  
elif 'open spotify' in query:  
    codePath =  
"C:\\\\Users\\\\gunee\\\\AppData\\\\Roaming\\\\Spotify\\\\Spotify.exe"  
    os.startfile(codePath)  
  
# elif 'close spotify' in query:  
#     os.system("taskkill /Spotify.exe")  
  
elif 'open teams' in query:
```



```
codePath =  
"C:\\\\Users\\\\gunee\\\\AppData\\\\Local\\\\Microsoft\\\\Teams\\\\current\\\\  
Teams.exe"  
os.startfile(codePath)  
  
elif 'open steam' in query:  
    codePath = "C:\\\\Program Files (x86)\\\\Steam\\\\steam.exe"  
    os.startfile(codePath)  
  
elif 'open photoshop' in query:  
    codePath = "C:\\\\Program Files\\\\Adobe\\\\Adobe Photoshop  
2020\\\\Photoshop.exe"  
    os.startfile(codePath)  
  
elif 'open filmora' in query:  
    codePath = "C:\\\\Program Files\\\\Wondershare\\\\Wondershare  
Filmora\\\\Wondershare Filmora X.exe"  
    os.startfile(codePath)  
  
elif 'open chrome' in query:  
    codePath="C:\\\\Program  
Files\\\\Google\\\\Chrome\\\\Application\\\\chrome.exe"  
os.startfile(codePath)  
  
elif 'open epic games' in query:  
    codePath="C:\\\\Program Files (x86)\\\\Epic  
Games\\\\Launcher\\\\Portal\\\\Binaries\\\\Win32\\\\EpicGamesLauncher.e  
xe"  
    os.startfile(codePath)  
  
elif 'open postman' in query:  
  
codePath="C:\\\\Users\\\\gunee\\\\AppData\\\\Local\\\\Postman\\\\Postma  
n.exe"  
os.startfile(codePath)  
  
elif 'open android studio' in query:  
    codePath="C:\\\\Program Files\\\\Android\\\\Android  
Studio\\\\bin\\\\studio64.exe"  
    os.startfile(codePath)  
  
elif 'open webex' in query:  
  
codePath="C:\\\\Users\\\\gunee\\\\AppData\\\\Local\\\\Programs\\\\Cisco  
Spark\\\\CiscoCollabHost.exe"  
os.startfile(codePath)  
  
elif 'open GeForce experience' in query:
```



Edit with WPS Office

#caps ke

```
kaaran nahi chalra i guess
    codePath="C:\\Program Files\\NVIDIA Corporation\\NVIDIA
    GeForce Experience\\NVIDIA GeForce Experience.exe"
    os.startfile(codePath)

elif 'open winrar' in query:
    codePath="C:\\Program Files\\WinRAR\\WinRAR.exe"
    os.startfile(codePath)

elif 'open xm' in query:
    codePath="C:\\xampp\\xampp-control.exe"
    os.startfile(codePath)

elif 'open tor' in query:
    codePath="C:\\Users\\gunee\\Desktop\\Tor
    Browser\\Browser\\firefox.exe"
    os.startfile(codePath)

elif 'open excel' in query:
    codePath="C:\\Program Files\\Microsoft
    Office\\root\\Office16\\EXCEL.exe"
    os.startfile(codePath)

elif 'open word' in query:
    codePath="C:\\Program Files\\Microsoft
    Office\\root\\Office16\\WINWORD.exe"
    os.startfile(codePath)

elif 'open powerpoint' in query:
    codePath="C:\\Program Files\\Microsoft
    Office\\root\\Office16\\POWERPNT.exe"
    os.startfile(codePath)

elif 'open command prompt' in query:
    codePath="C:\\WINDOWS\\system32\\cmd.exe"
    os.startfile(codePath)

elif 'open downloads' in query:
    codePath="C:\\Users\\gunee\\Downloads"
    os.startfile(codePath)

elif 'open files' in query:
    codePath="C:\\"
    os.startfile(codePath)

elif 'open settings' in query:
    codePath="C:\\WINDOWS\\System32\\Control.exe"
    os.startfile(codePath)

# elif 'close setting' in query:
```



```
#     codePath="C:\\WINDOWS\\System32\\Control.exe"
#close karne ka try kar raha tha file
#     os.close(codePath)

elif 'open zoom' in query:

codePath="C:\\Users\\gunee\\AppData\\Roaming\\Zoom\\bin\\Zoom.exe"
os.startfile(codePath)

# elif 'open weather app' in query:
#     canvas1()

elif 'take screenshot' in query:
rootn()

elif 'tell a joke' in query:
speak(pyjokes.get_joke())

elif 'increase volume' in query:
pyautogui.press("volumeup")

elif 'decrease volume' in query:
pyautogui.press("volumedown")

elif 'mute' in query:
pyautogui.press("volumemute")

elif 'light' in query:
pyautogui.press("brightnessup")

elif 'open camera' in query:
cap=cv2.VideoCapture(0)
while True:
    ret,img=cap.read()
    cv2.imshow('webcam',img)
    k=cv2.waitKey(50)
    if k==27:
        break;
    cap.release()
    cv2.destroyAllWindows()

# elif 'email to guneet' in query: #email function still in process,
# therefore yeh chalega nahi.
#     try:
#         speak("What should I say")
#         content = takeCommand()
#         to = "gunit100001@gmail.com"
```



```
#     sendEmail(to,content)
#     speak("Email has been sent!")
# except Exception as e:
#     print(e)
#     speak("Sorry could not send this email")

elif 'sing a song'in query:
    print("No")
    speak("No")

elif 'what the hell man' in query:
    print("What? Its my favorite song")
    speak("What? Its my favorite song")

elif 'please'in query:
    print("All right here goes nothing.....")
    speak("All right here goes nothing.....")
    speak("aaaaaaaaaaaaaaaaaaaaaa, sorry i can't sing")
    print("sorry, i can't sing")

elif 'so sweet' in query:
    print("ewwww 10 feet duur reh ")
    speak("ewwww 10 feet duur reh ")

elif 'thank you' in query:
    print("No problem, do you need any further help?")
    speak("No problem, do you need any further help?")

elif ('quit' or "that's all") in query:
    print("Thank you for using me, have a great day!")
    speak("Thank you for using me, have a great day!")
    exit()
```



## 7. SOFTWARE TESTING

### 7.1 OVERVIEW

Software Testing is evaluation of the software against requirements gathered from users and system specifications. Testing is conducted at the phase level in software development life cycle or at module level in program code. Software testing comprises of Validation and Verification.

### 7.2 BLACK BOX TESTING

It is carried out to test functionality of the program. It is also called 'Behavioral' testing. The tester in this case, has a set of input values and respective desired results. On providing input, if the output matches with the desired results, the program is tested 'ok', and problematic otherwise.

### 7.3 TEST CASES

A test case is a document, which has a set of test data, preconditions, expected results and post conditions, developed for a particular test scenario in order to verify compliance against a specific requirement.

Test Case acts as the starting point for the test execution, and after applying a set of input values, the application has a definitive outcome and leaves the system at some end point or also known as execution post condition

S.N O.	Condition to be tested	Test Data	Actual Result	Expected Result	Remark
1	Initializing John-Wick	Initialization	Initialized	Initialized	Successfully passed
2	Opening Apps / Files	Sublime Text	Opens Successfully	Successful	Successfully passed
		Command Prompt	Opens Successfully	Successful	Successfully passed
		Google	Opens Successfully	Successful	Successfully passed
		Youtube	Opens Successfully	Successful	Successfully passed
		Downloads	Opens Successfully	Successful	Successfully passed
		Settings	Opens Successfully	Successful	Successfully passed



		Chrome	Opens Successfully	Successful	Successfully passed
3	Wikipedia / Jokes/ Self Introduction	Writing and Telling the content	Successfuly operated	Successful	Successfully pass
4	Sending messages	Whatsapp	Delivered successfully	successfully Send	Successfully pass
		Email	Fail to deliver	Successfully send	Fail
5	Quit	Exit	Successfully quiting	Exit	Successfully pass

## 8. REFERENCES

Python-

\* [docs.python.org](https://docs.python.org)

\* [Beyond the Basic Stuff with Python: Best Practices for Writing Clean Code. - Al Sweigart.](#)

\* [Clean Code,- Robert Cecil Martin.](#)

