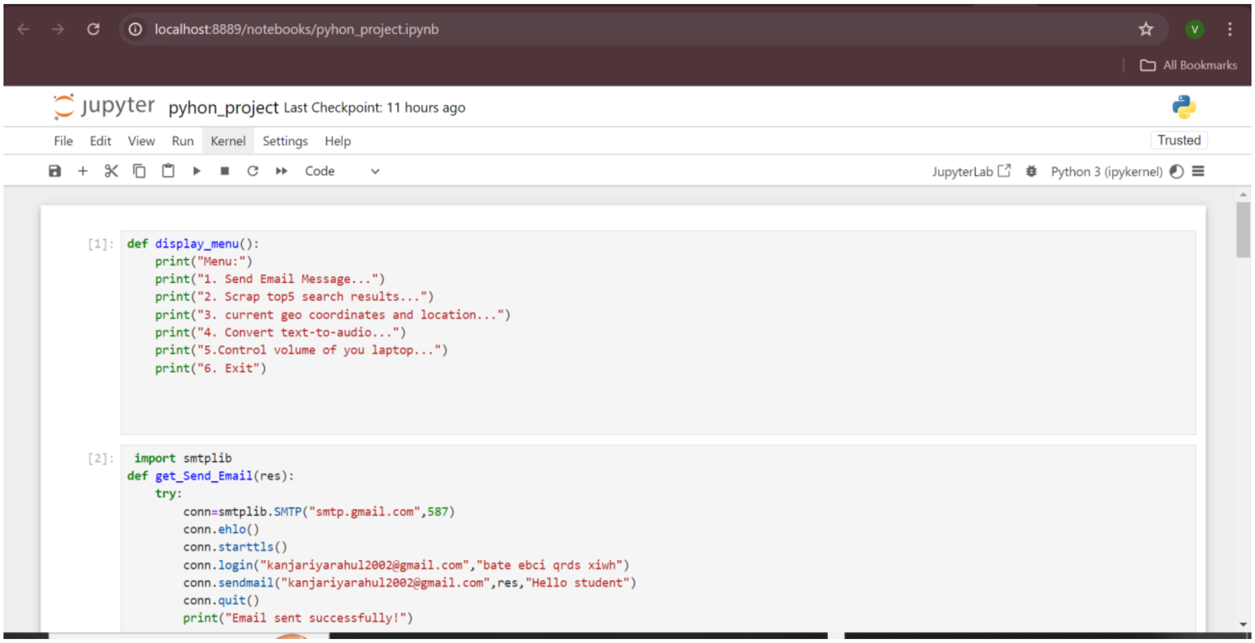
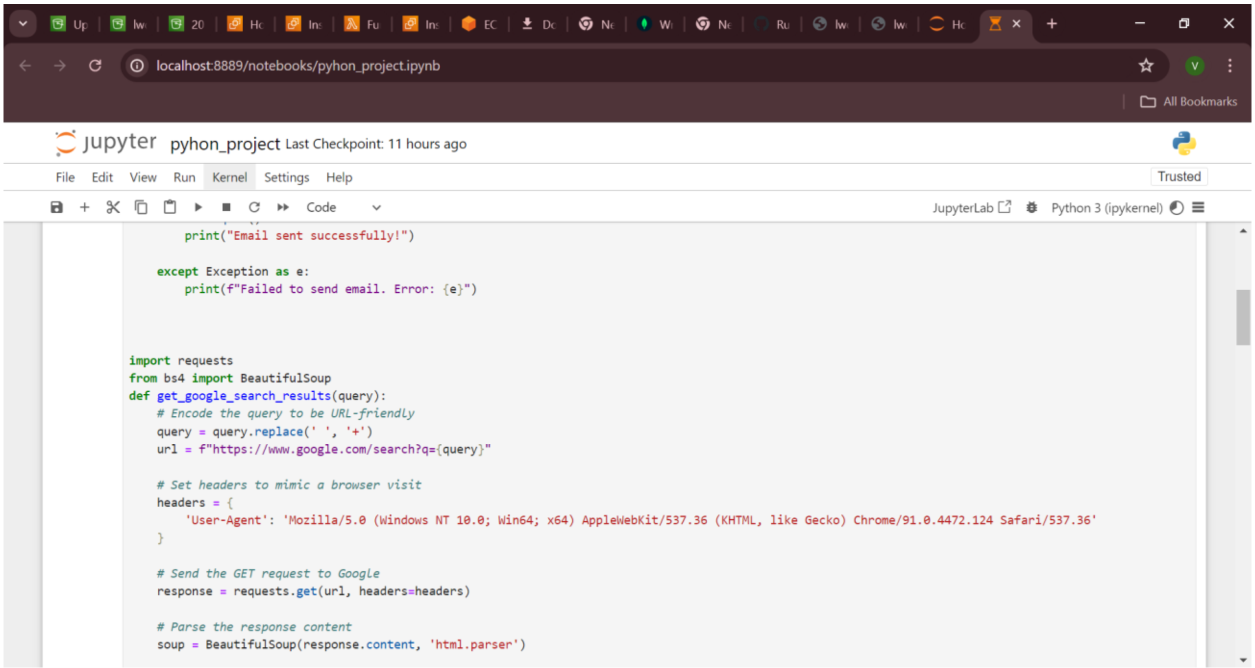
Menu driven:

1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit

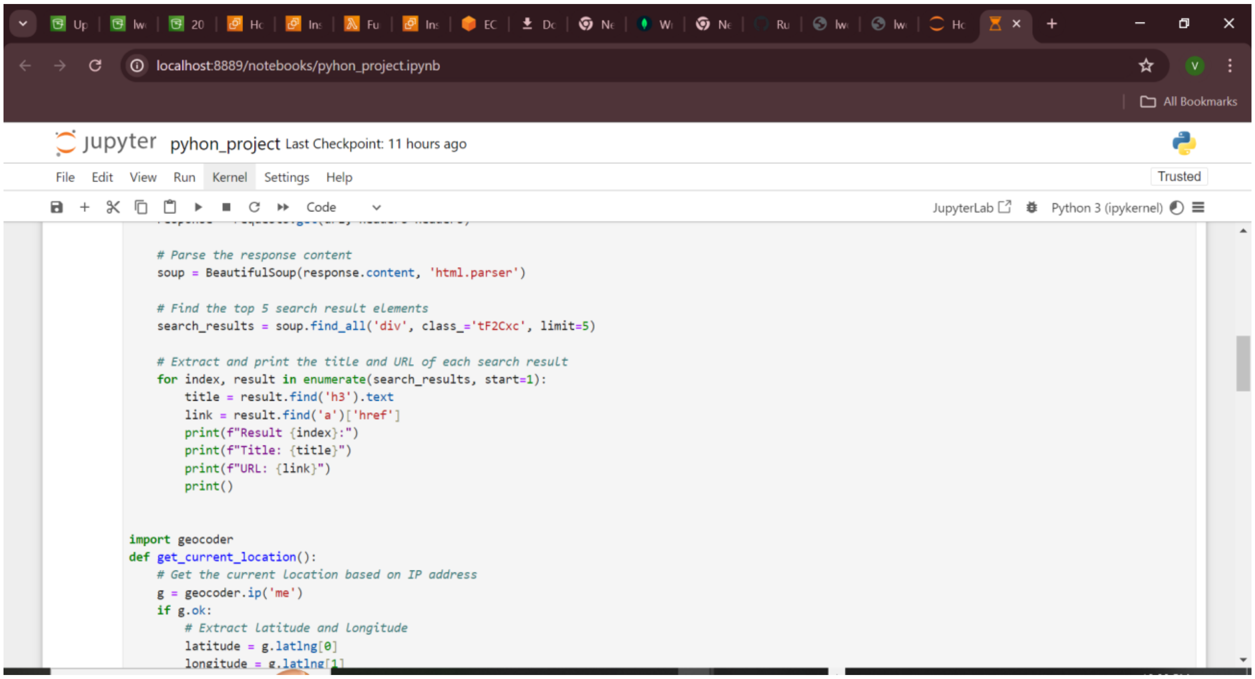


```
def display_menu():
    print("Menu:")
    print("1. Send Email Message...")
    print("2. Scrap top5 search results...")
    print("3. current geo coordinates and location...")
    print("4. Convert text-to-audio...")
    print("5.Control volume of you laptop...")
    print("6. Exit")
```

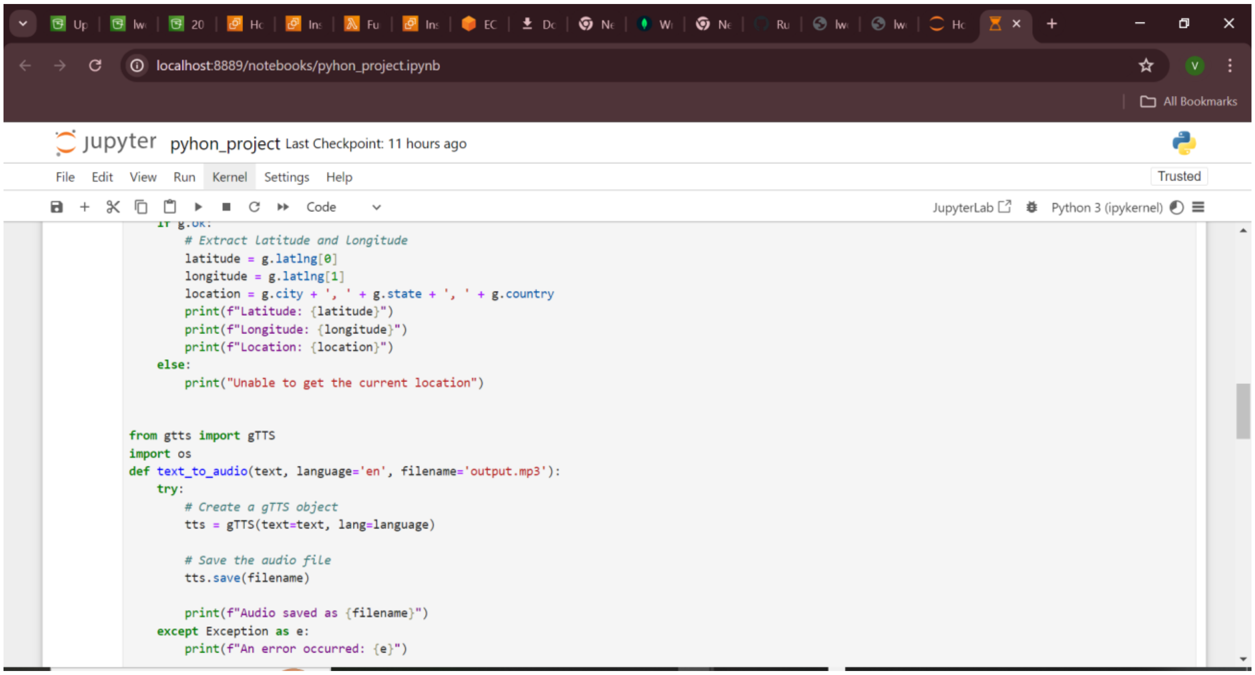
```
 import smtplib
def get_Send_Email(res):
    try:
        conn=smtplib.SMTP("smtp.gmail.com",587)
        conn.ehlo()
        conn.starttls()
        conn.login("kanjariyarahul2002@gmail.com","bate ebci qrds xiwh")
        conn.sendmail("kanjariyarahul2002@gmail.com",res,"Hello student")
        conn.quit()
        print("Email sent successfully!")
```



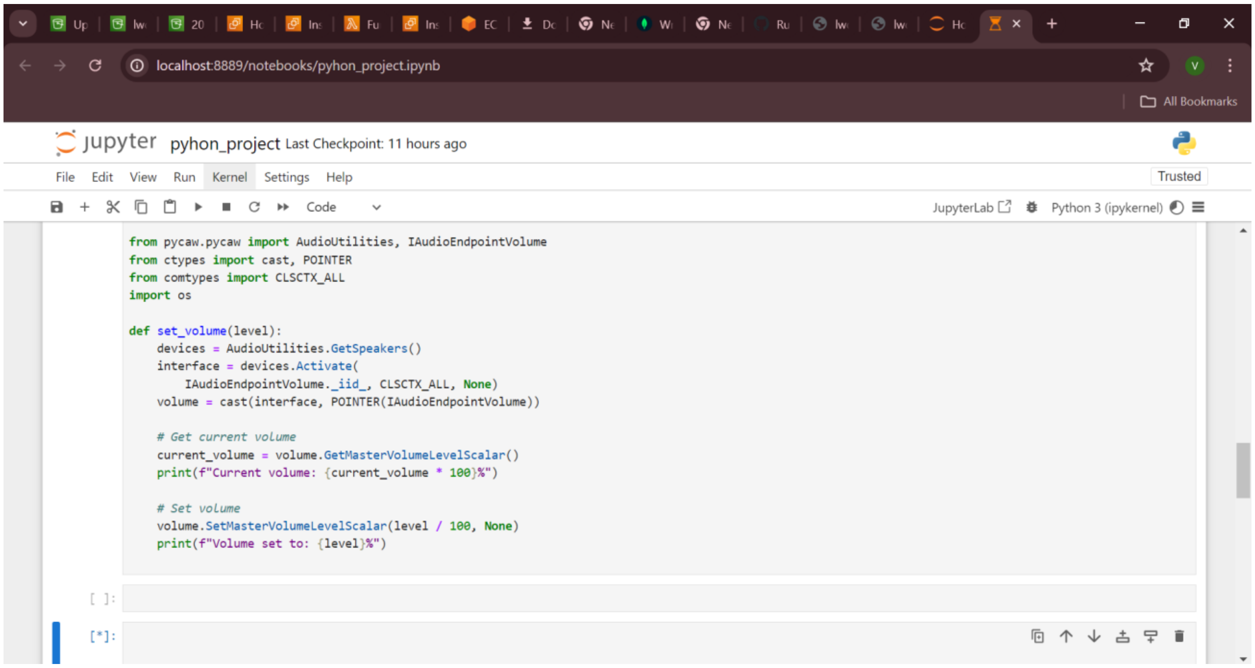
```
        print("Email sent successfully!")

    except Exception as e:
        print(f"Failed to send email. Error: {e}")



import requests
from bs4 import BeautifulSoup
def get_google_search_results(query):
    # Encode the query to be URL-friendly
    query = query.replace(' ', '+')
    url = f"https://www.google.com/search?q={query}"

    # Set headers to mimic a browser visit
    headers = {
        'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.124 Safari/537.36'
    }

    # Send the GET request to Google
    response = requests.get(url, headers=headers)

    # Parse the response content
    soup = BeautifulSoup(response.content, 'html.parser')
```



```
    # Parse the response content
    soup = BeautifulSoup(response.content, 'html.parser')

    # Find the top 5 search result elements
    search_results = soup.find_all('div', class_='tF2Cxc', limit=5)

    # Extract and print the title and URL of each search result
    for index, result in enumerate(search_results, start=1):
        title = result.find('h3').text
        link = result.find('a')['href']
        print(f"Result {index}:")
        print(f"Title: {title}")
        print(f"URL: {link}")
        print()


import geocoder
def get_current_location():
    # Get the current location based on IP address
    g = geocoder.ip('me')
    if g.ok:
        # Extract latitude and longitude
        latitude = g.latlng[0]
        longitude = g.latlng[1]
```

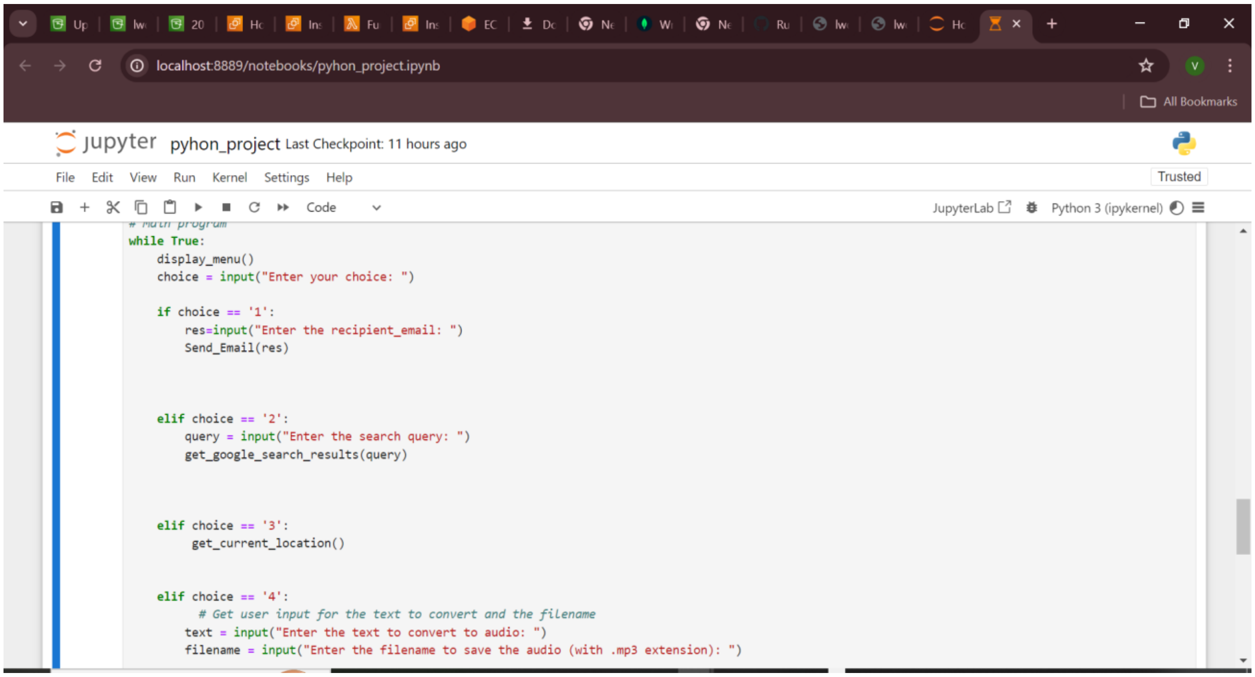

localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File
Edit
View
Run
Kernel
Settings
Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
    if g.ok:
        # Extract latitude and longitude
        latitude = g.latlng[0]
        longitude = g.latlng[1]
        location = g.city + ', ' + g.state + ', ' + g.country
        print(f"Latitude: {latitude}")
        print(f"Longitude: {longitude}")
        print(f"Location: {location}")
    else:
        print("Unable to get the current location")


from gtts import gTTS
import os
def text_to_audio(text, language='en', filename='output.mp3'):
    try:
        # Create a gTTS object
        tts = gTTS(text=text, lang=language)

        # Save the audio file
        tts.save(filename)

        print(f"Audio saved as {filename}")
    except Exception as e:
        print(f"An error occurred: {e}")
```

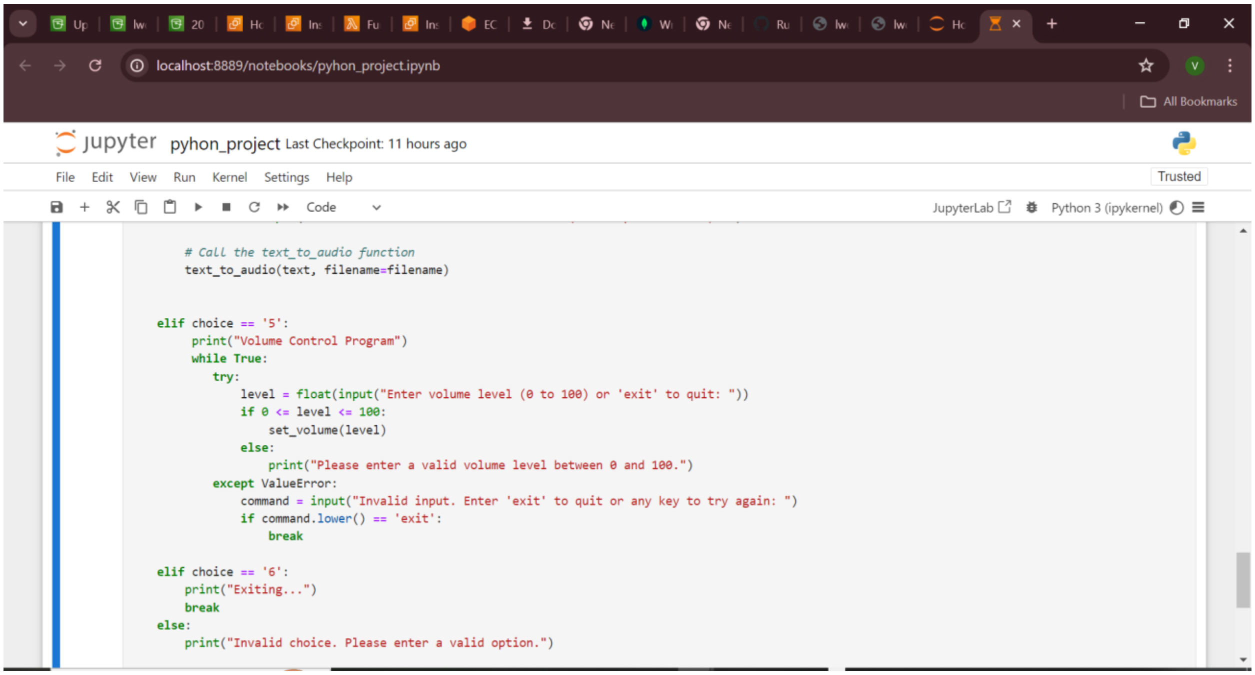

localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File
Edit
View
Run
Kernel
Settings
Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
from pycaw.pycaw import AudioUtilities, IAudioEndpointVolume
from ctypes import cast, POINTER
from comtypes import CLSCTX_ALL
import os

def set_volume(level):
    devices = AudioUtilities.GetSpeakers()
    interface = devices.Activate(
        IAudioEndpointVolume._iid_, CLSCTX_ALL, None)
    volume = cast(interface, POINTER(IAudioEndpointVolume))

    # Get current volume
    current_volume = volume.GetMasterVolumeLevelScalar()
    print(f"Current volume: {current_volume * 100}%")

    # Set volume
    volume.SetMasterVolumeLevelScalar(level / 100, None)
    print(f"Volume set to: {level}%")
```

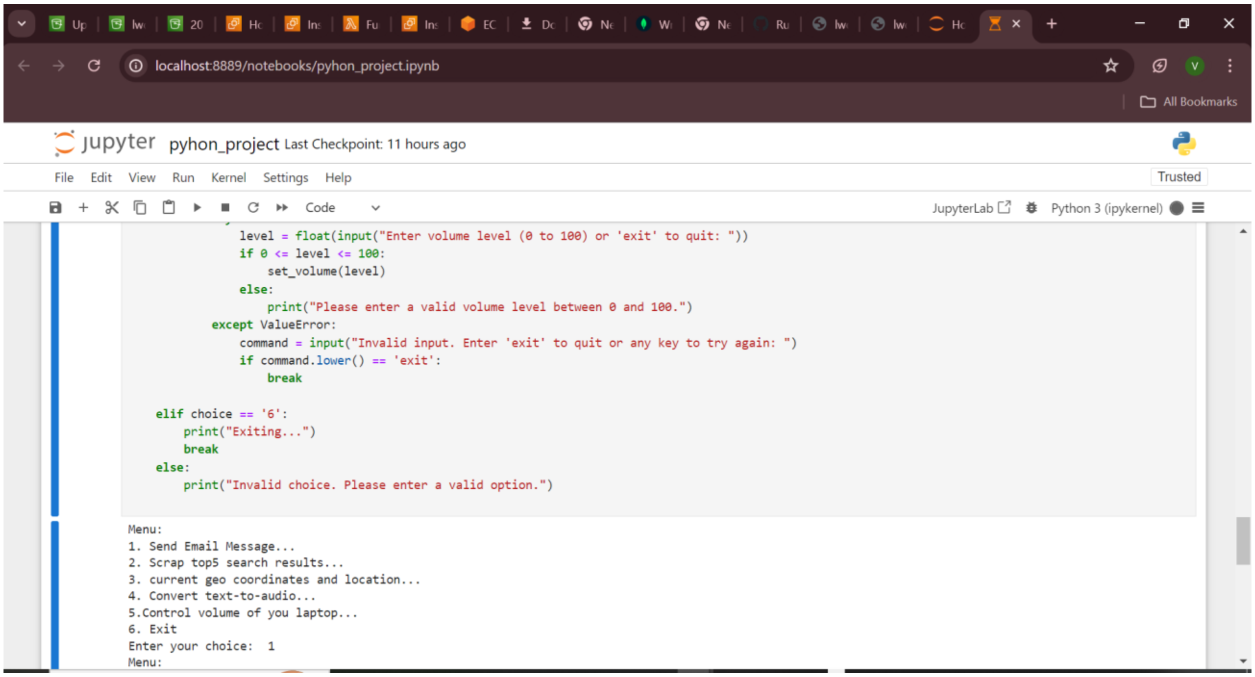
```
[ ]:
[*]:
```



```
# Main program
while True:
    display_menu()
    choice = input("Enter your choice: ")

    if choice == '1':
        res=input("Enter the recipient_email: ")
        Send_Email(res)



    elif choice == '2':
        query = input("Enter the search query: ")
        get_google_search_results(query)



    elif choice == '3':
         get_current_location()


    elif choice == '4':
          # Get user input for the text to convert and the filename
        text = input("Enter the text to convert to audio: ")
        filename = input("Enter the filename to save the audio (with .mp3 extension): ")
```

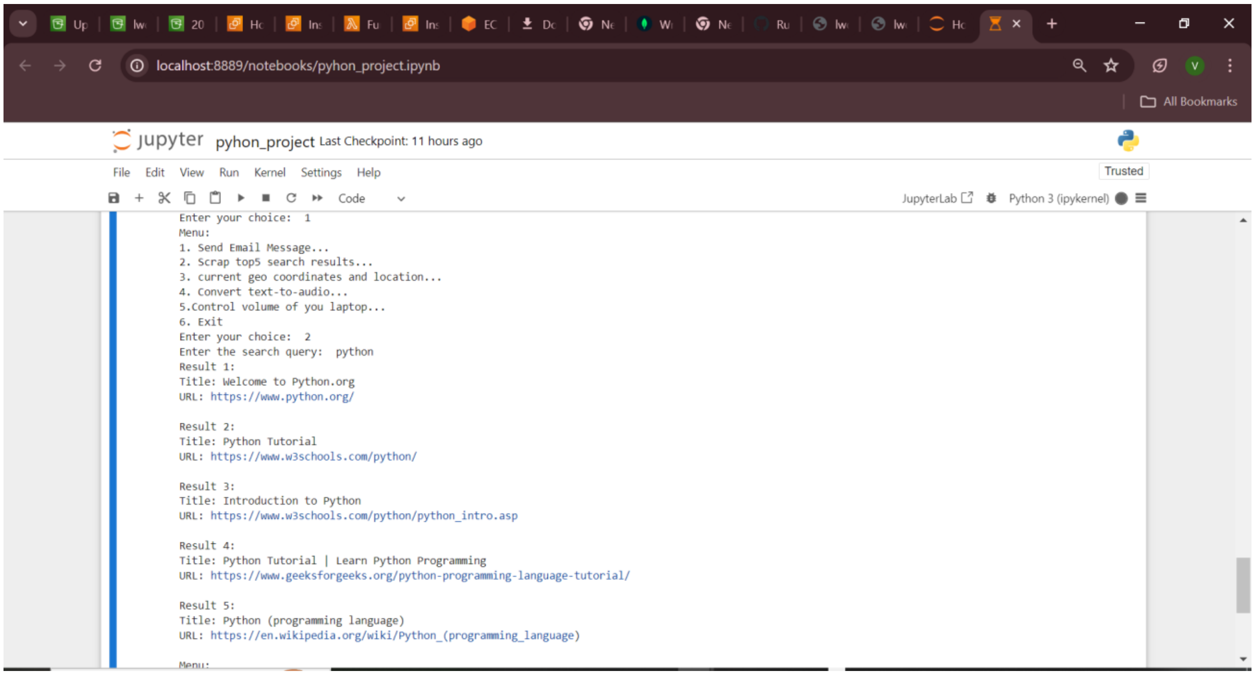


```
        # Call the text_to_audio function
        text_to_audio(text, filename=filename)


    elif choice == '5':
         print("Volume Control Program")
         while True:
            try:
                level = float(input("Enter volume level (0 to 100) or 'exit' to quit: "))
                if 0 <= level <= 100:
                    set_volume(level)
                else:
                    print("Please enter a valid volume level between 0 and 100.")
            except ValueError:
                command = input("Invalid input. Enter 'exit' to quit or any key to try again: ")
                if command.lower() == 'exit':
                    break

    elif choice == '6':
        print("Exiting...")
        break
    else:
        print("Invalid choice. Please enter a valid option.")
```

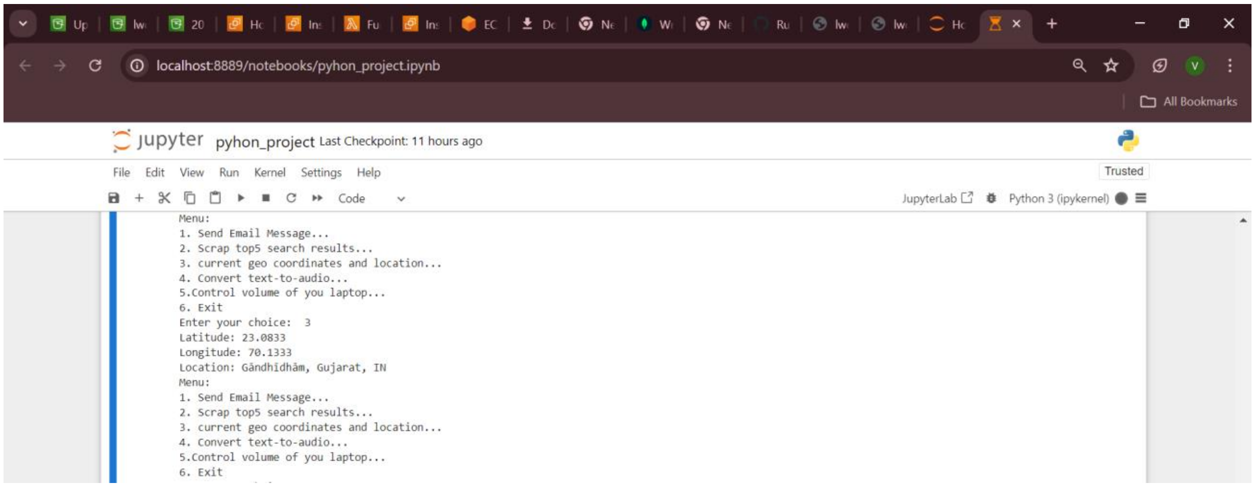

localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
                level = float(input("Enter volume level (0 to 100) or 'exit' to quit: "))
                if 0 <= level <= 100:
                    set_volume(level)
                else:
                    print("Please enter a valid volume level between 0 and 100.")
            except ValueError:
                command = input("Invalid input. Enter 'exit' to quit or any key to try again: ")
                if command.lower() == 'exit':
                    break

    elif choice == '6':
        print("Exiting...")
        break
    else:
        print("Invalid choice. Please enter a valid option.")
```

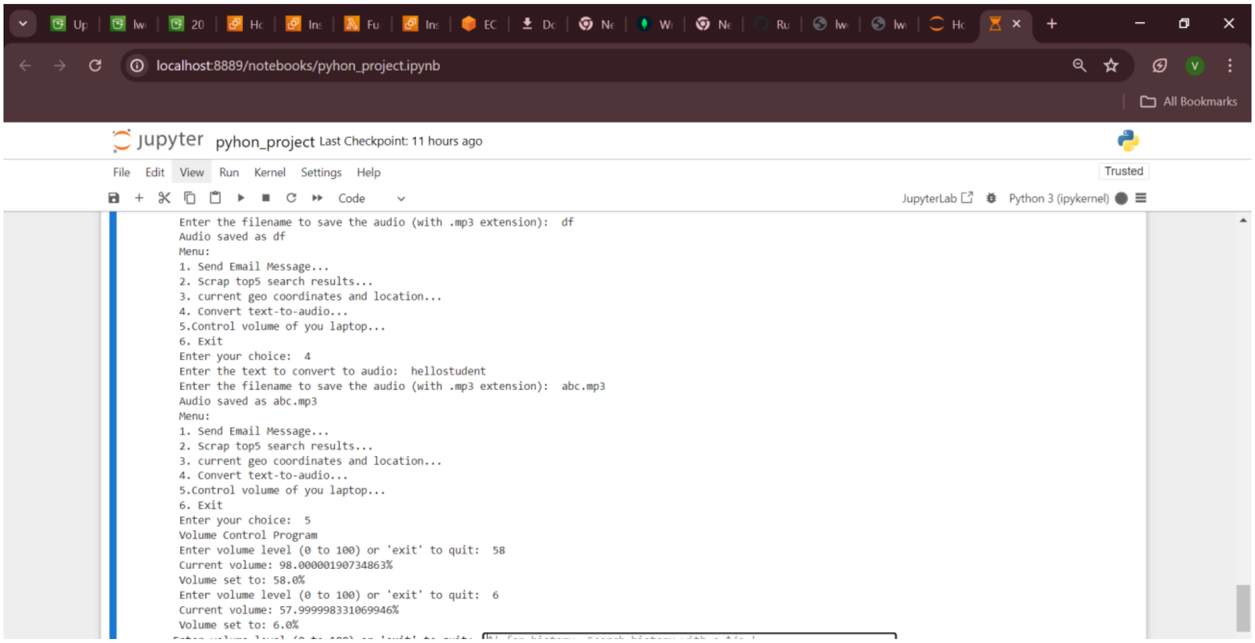
```
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
Enter your choice:  1
Menu:
```


localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
Enter your choice:  1
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
Enter your choice:  2
Enter the search query:  python
Result 1:
Title: Welcome to Python.org
URL: https://www.python.org/

Result 2:
Title: Python Tutorial
URL: https://www.w3schools.com/python/

Result 3:
Title: Introduction to Python
URL: https://www.w3schools.com/python/python_intro.asp

Result 4:
Title: Python Tutorial | Learn Python Programming
URL: https://www.geeksforgeeks.org/python-programming-language-tutorial/

Result 5:
Title: Python (programming language)
URL: https://en.wikipedia.org/wiki/Python_(programming_language)

Menu:
```

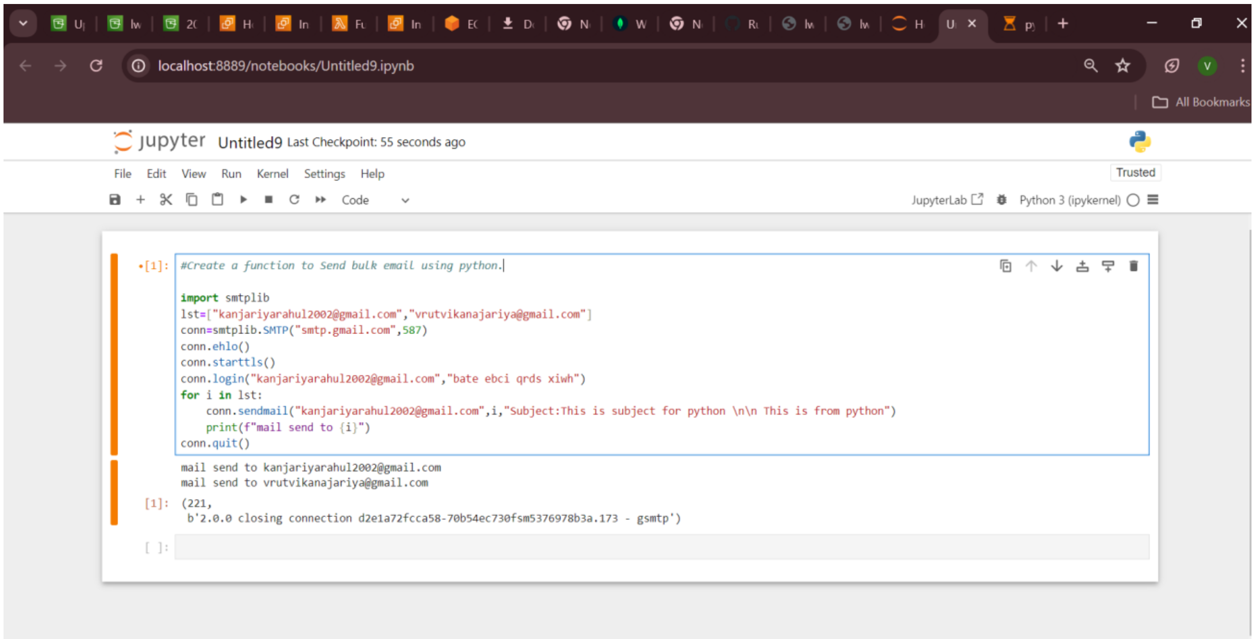

localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
Enter your choice:  3
Latitude: 23.0833
Longitude: 70.1333
Location: Gāndhīdhām, Gujarat, IN
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
```


localhost:8889/notebooks/pyhon_project.ipynb
All Bookmarks
jupyter pyhon_project Last Checkpoint: 11 hours ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
Enter the filename to save the audio (with .mp3 extension):  df
Audio saved as df
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
Enter your choice:  4
Enter the text to convert to audio:  hellostudent
Enter the filename to save the audio (with .mp3 extension):  abc.mp3
Audio saved as abc.mp3
Menu:
1. Send Email Message...
2. Scrap top5 search results...
3. current geo coordinates and location...
4. Convert text-to-audio...
5.Control volume of you laptop...
6. Exit
Enter your choice:  5
Volume Control Program
Enter volume level (0 to 100) or 'exit' to quit:  58
Current volume: 98.00000190734863%
Volume set to: 58.0%
Enter volume level (0 to 100) or 'exit' to quit:  6
Current volume: 57.999998331069946%
Volume set to: 6.0%
```

Create a function to Send bulk email using python.


localhost:8889/notebooks/Untitled9.ipynb
All Bookmarks
jupyter Untitled9 Last Checkpoint: 55 seconds ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)

```
•[1]: #Create a function to Send bulk email using python.

      import smtplib
      lst=["kanjariyarahul2002@gmail.com","vrutvikanajariya@gmail.com"]
      conn=smtplib.SMTP("smtp.gmail.com",587)
      conn.ehlo()
      conn.starttls()
      conn.login("kanjariyarahul2002@gmail.com","bate ebci qrds xiwh")
      for i in lst:
          conn.sendmail("kanjariyarahul2002@gmail.com",i,"Subject:This is subject for python \n\n This is from python")
          print(f"mail send to {i}")
      conn.quit()
```

```
      mail send to kanjariyarahul2002@gmail.com
      mail send to vrutvikanajariya@gmail.com
 [1]: (221,
       b'2.0.0 closing connection d2e1a72fcca58-70b54ec730fsm5376978b3a.173 - gsmtp')
```

```
 [ ]:
```