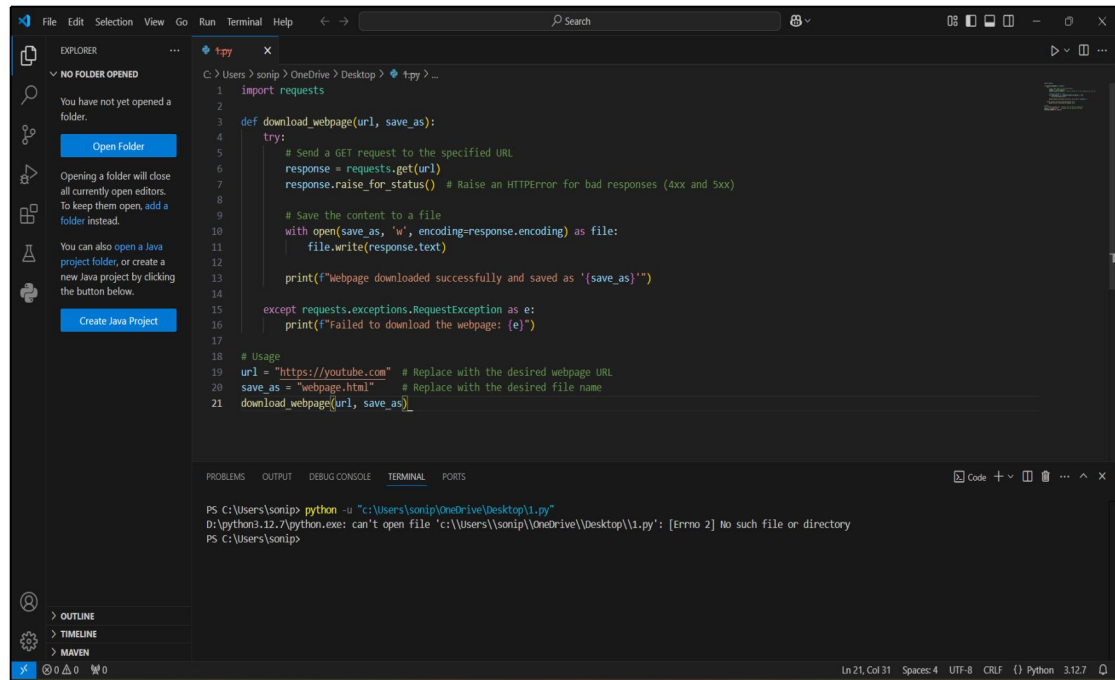


LAB 3

AIM: Clone the Particular Webpage's by Using Import requests Module and also save that webpage Using Python Language.

Code:



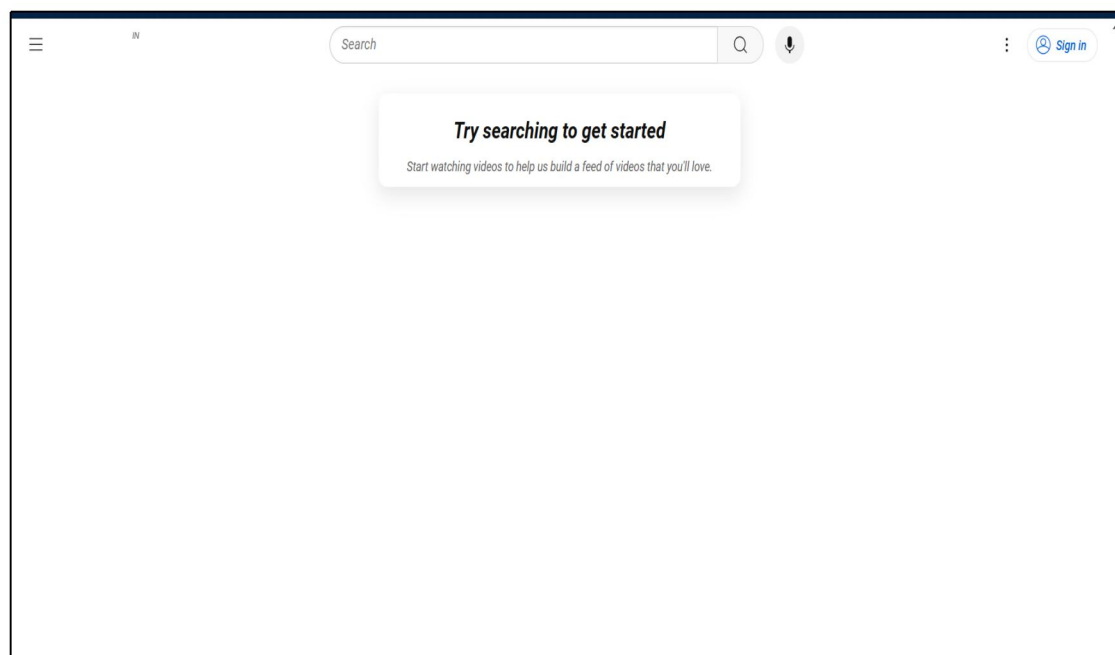
```
File Edit Selection View Go Run Terminal Help
C:\Users\sonip> OneDrive Desktop > tpy > ...
1 import requests
2
3 def download_webpage(url, save_as):
4     try:
5         # Send a GET request to the specified URL
6         response = requests.get(url)
7         response.raise_for_status() # Raise an HTTPError for bad responses (4xx and 5xx)
8
9         # Save the content to a file
10        with open(save_as, 'w', encoding=response.encoding) as file:
11            file.write(response.text)
12
13        print(f"Webpage downloaded successfully and saved as '{save_as}'")
14
15    except requests.exceptions.RequestException as e:
16        print(f"Failed to download the webpage: {e}")
17
18 # Usage
19 url = "https://youtube.com" # Replace with the desired webpage URL
20 save_as = "webpage.html" # Replace with the desired file name
21 download_webpage(url, save_as)
```

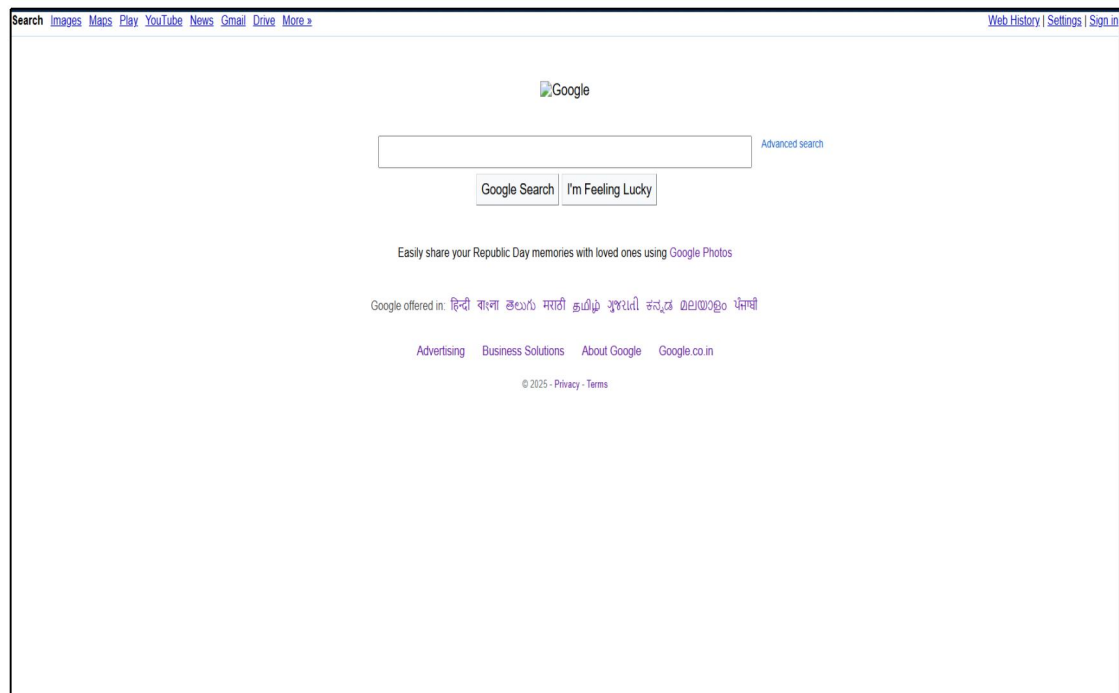
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\sonip> python -u "c:\Users\sonip\OneDrive\Desktop\1.py"
D:\python3.12.7\python.exe: can't open file 'c:\Users\sonip\OneDrive\Desktop\1.py': [Errno 2] No such file or directory
PS C:\Users\sonip>
```

Ln 21, Col 31 Spaces: 4 UTF-8 CRLF Python 3.12.7

Clone Webpage of Google and Youtube:





Conclusion:

- Website cloning is a powerful tool in both malicious and legitimate contexts. In the world of network security, it's most commonly associated with phishing and fraud, which can have severe consequences for both individuals and organizations. However, when used ethically, it can also help in identifying vulnerabilities and securing digital platforms. As a result, continuous vigilance, awareness, and the implementation of best security practices are essential in defending against such attacks.