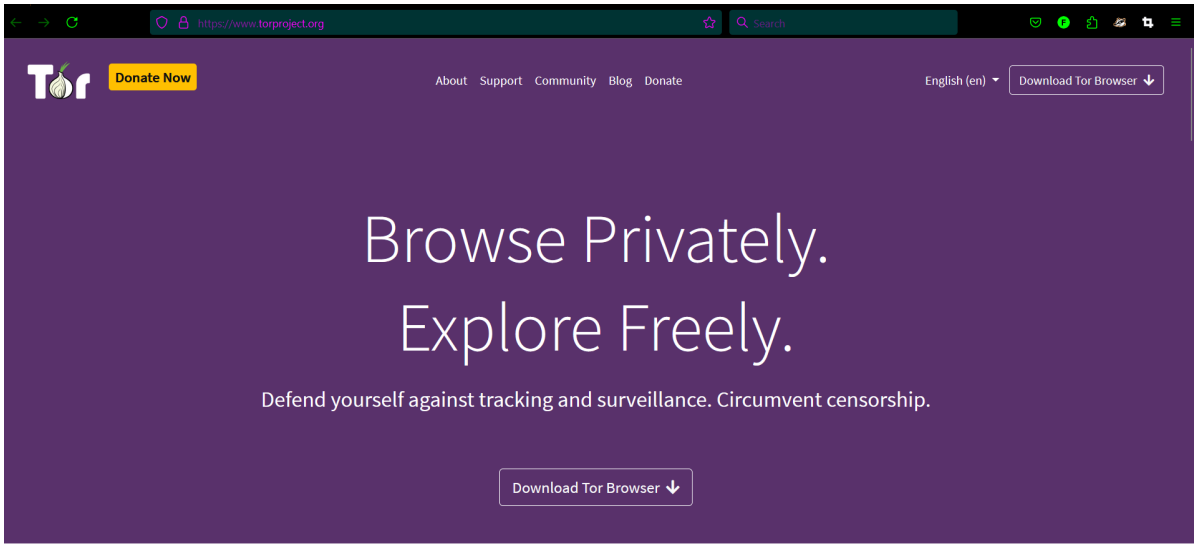
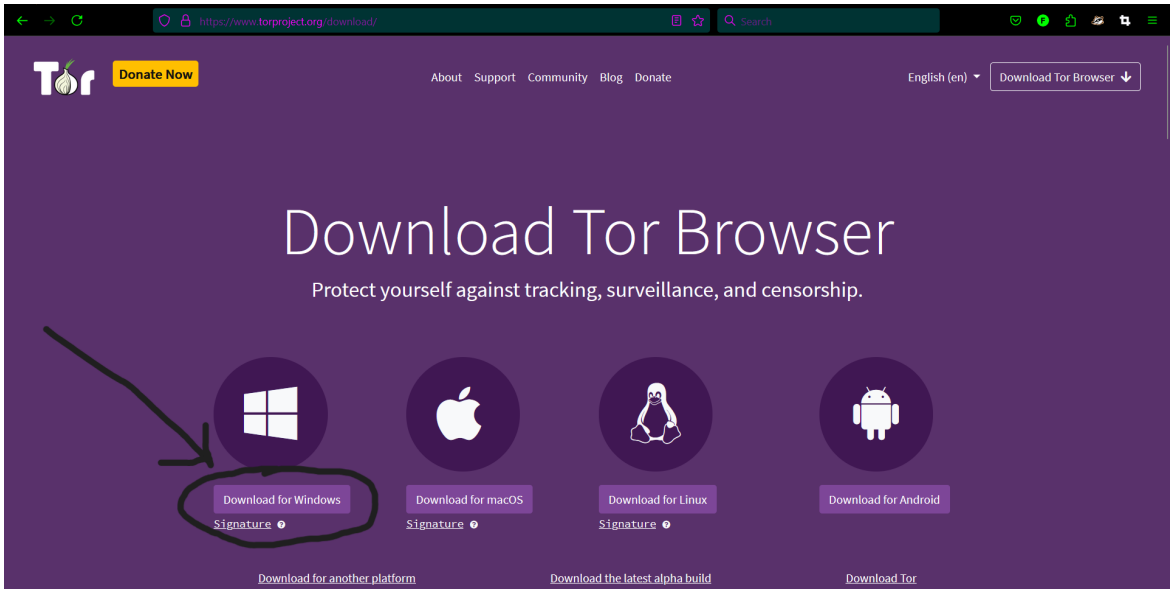
TorGhostX : Anonymous IP Rotation with Tor

--- Bhavesh Mahesh Dhake

1. Download Tor from official website : https://www.torproject.org/

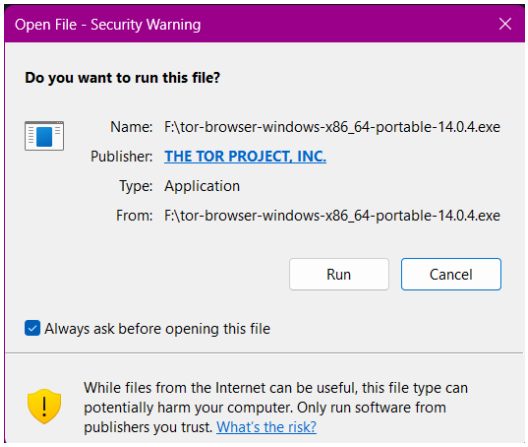


2. Select Windows

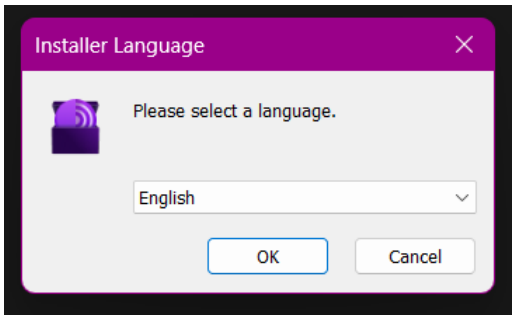


3. Locate the downloaded file : “tor-browser-windows-x86_64-portable-14.0.4.exe” and Launch it

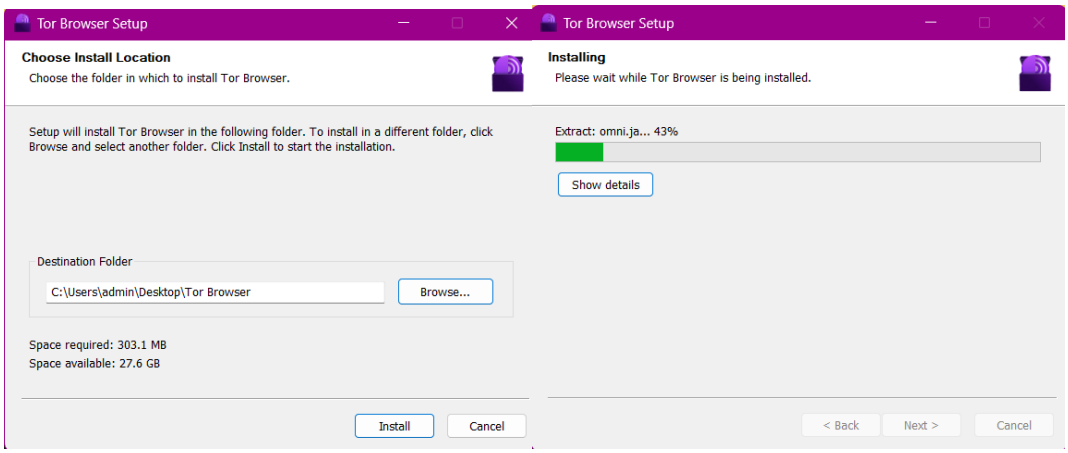
4. Click run



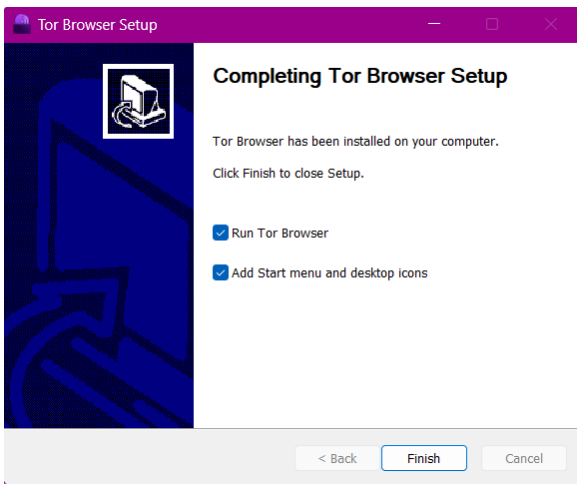
5. click ok :



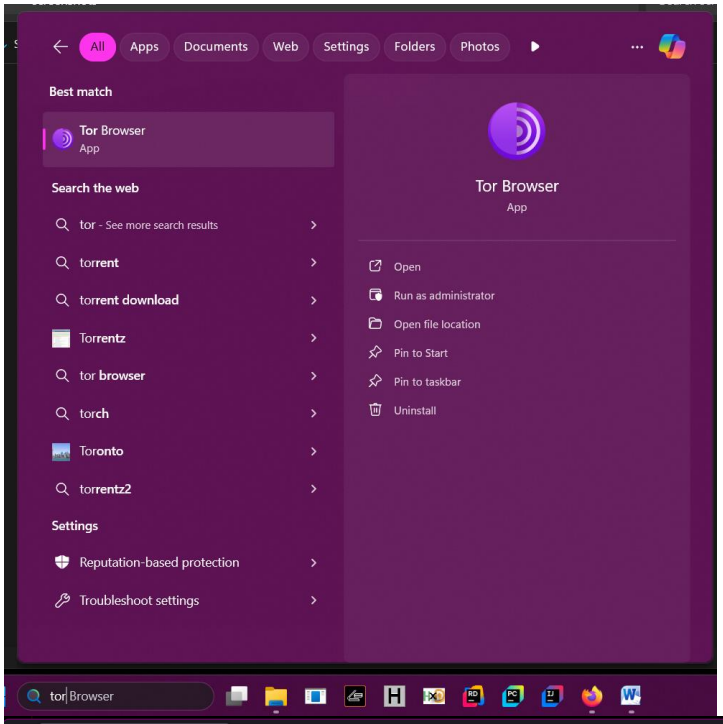
6. click install

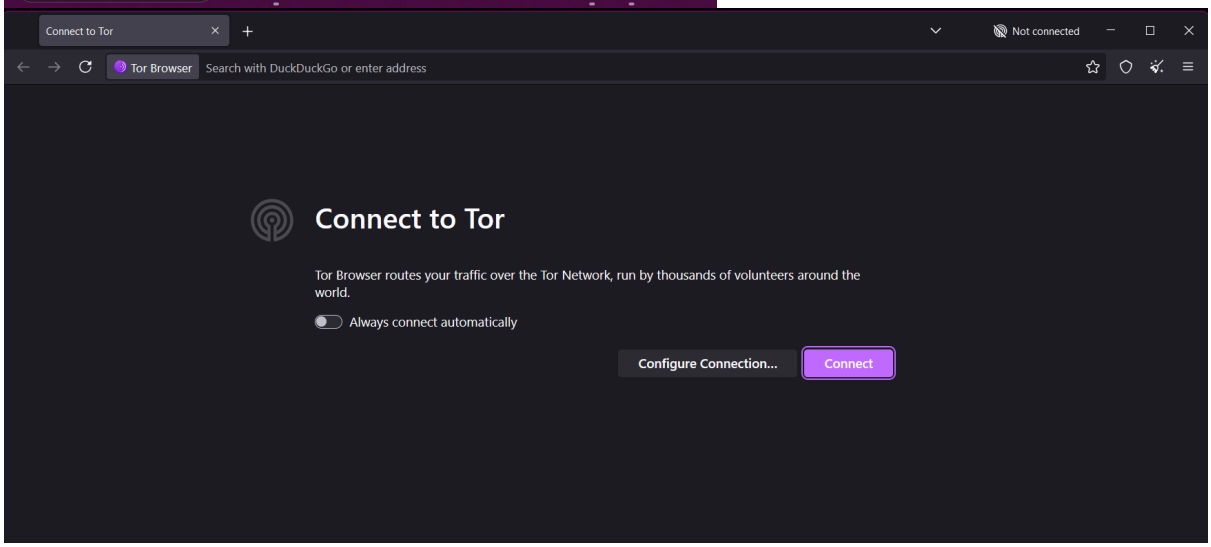


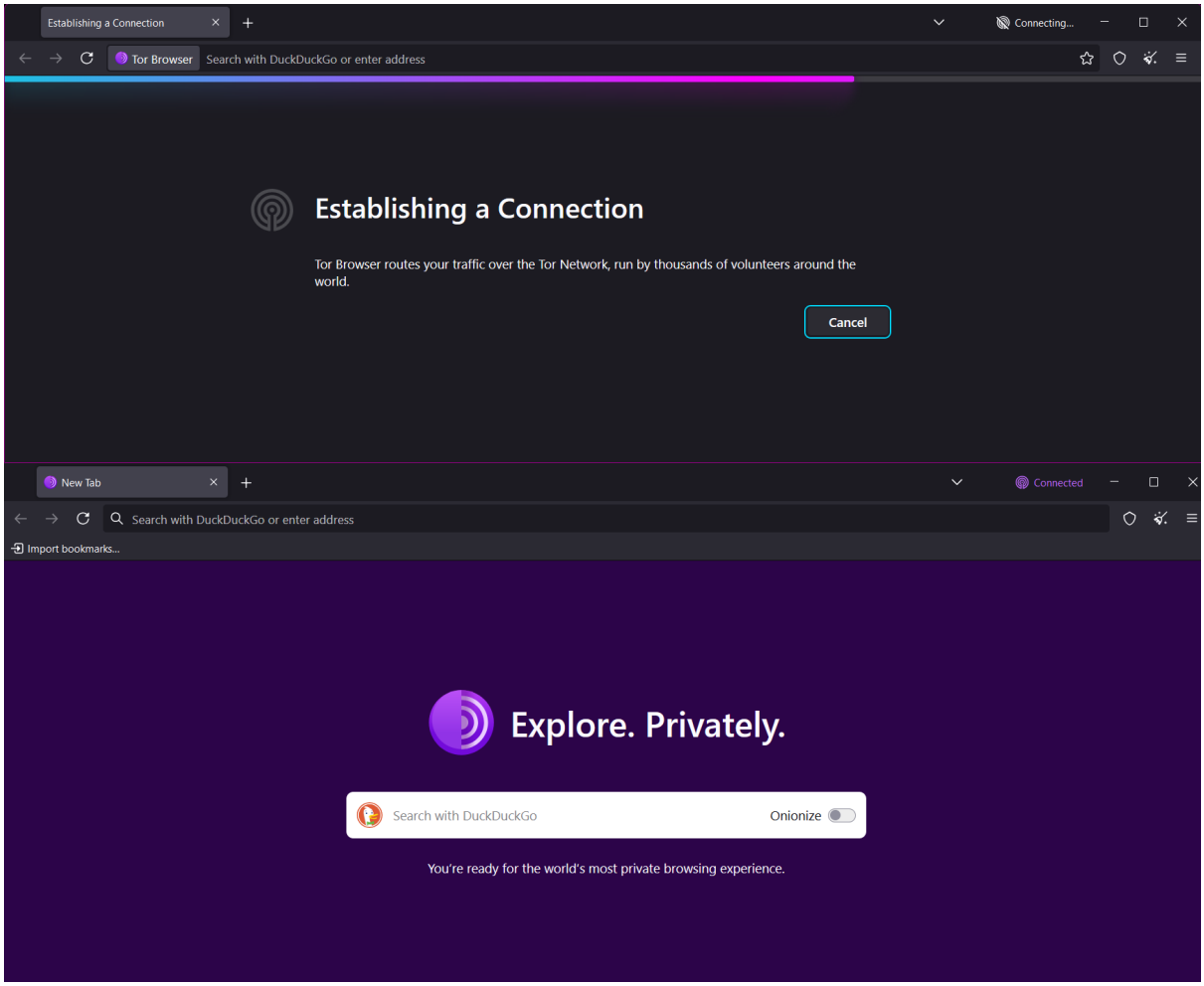
7. click finish



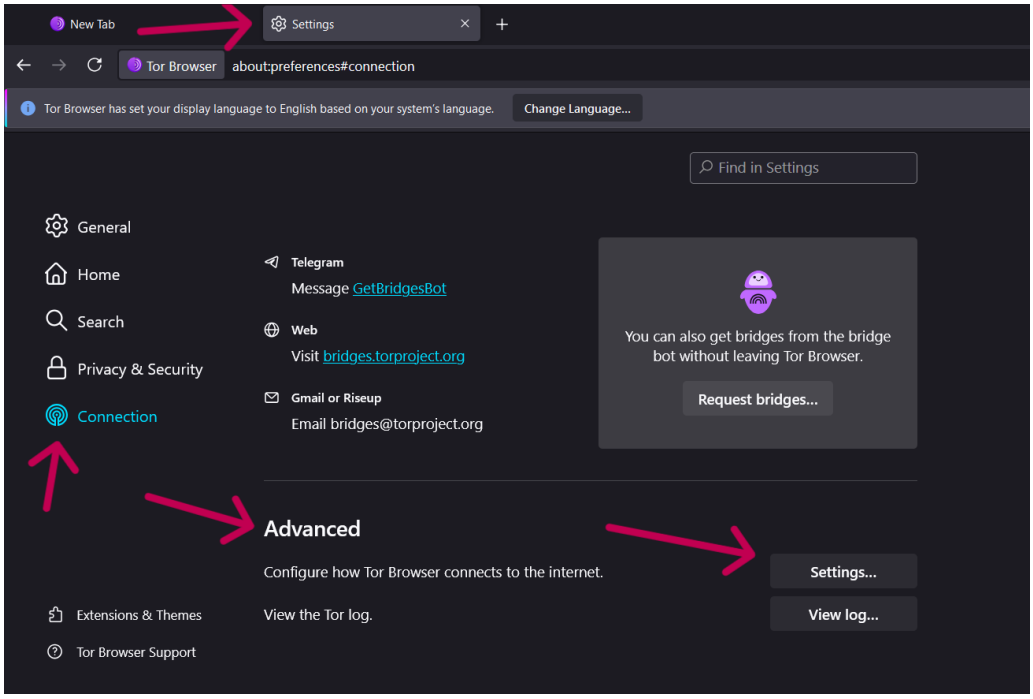
8. Search “tor” in application menu and launch it ,then click connect



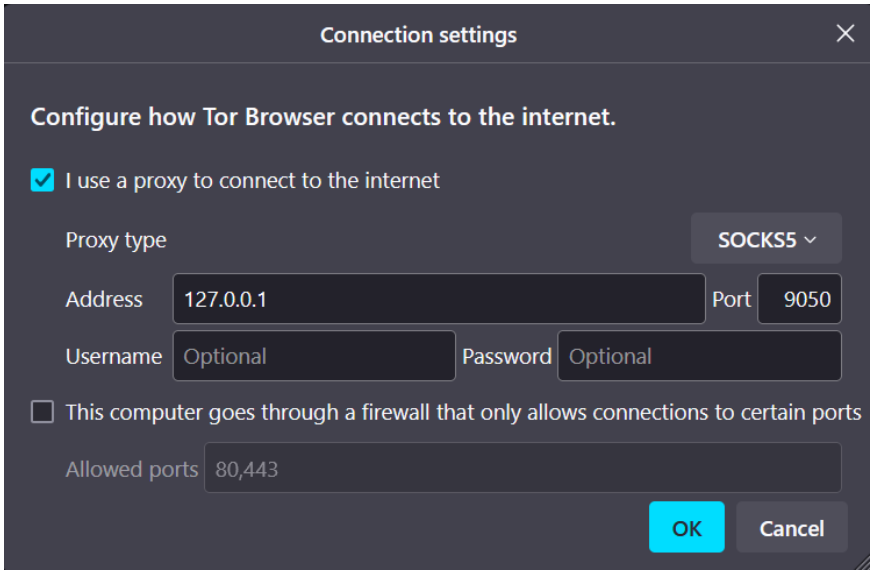




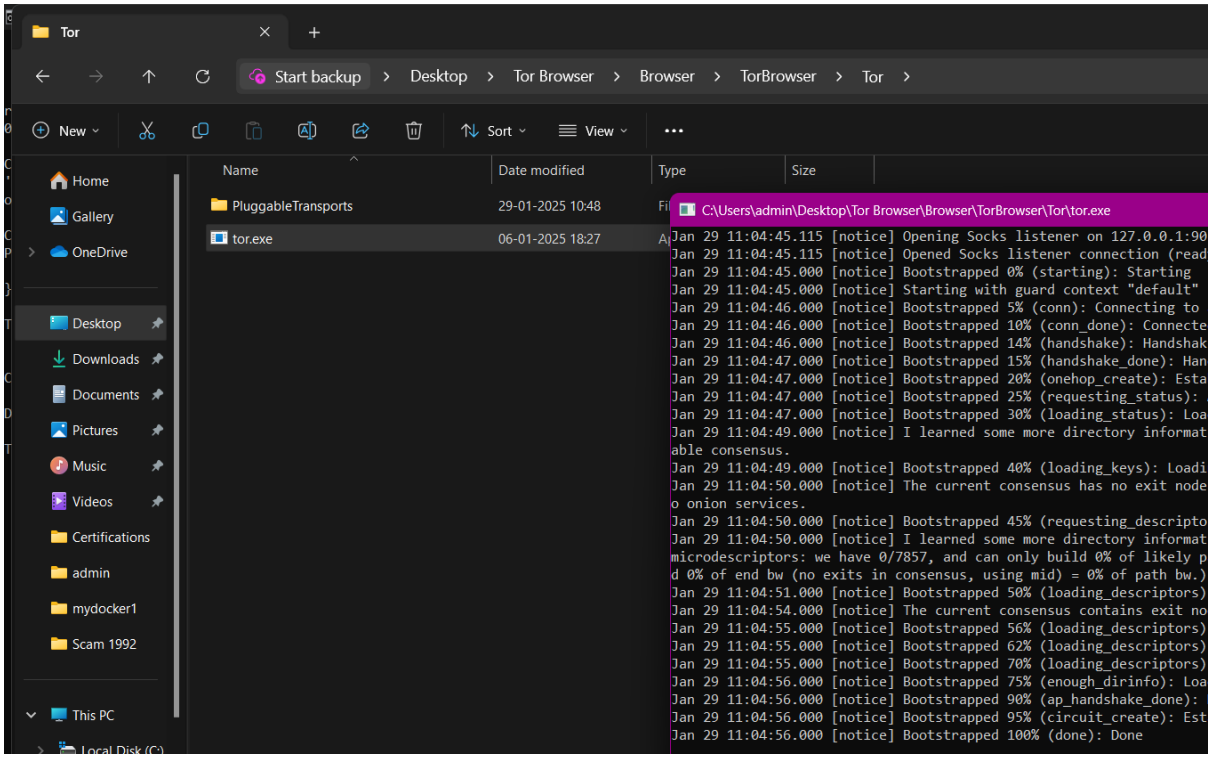
9. click on the 3 horizontal lines at top right , then click settings , then click connection then scroll to bottom and under advanced section click on setting located to right of "Configure how Tor Browser connects to the internet."



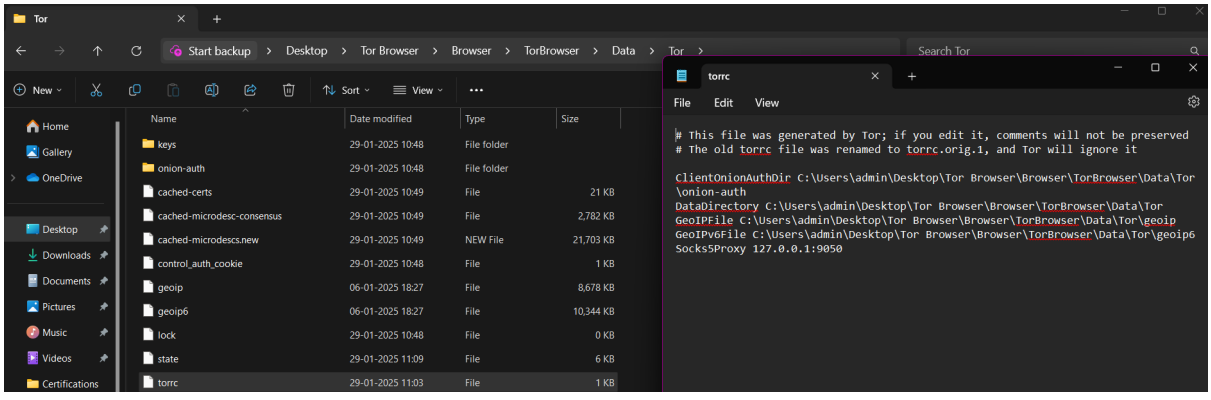
10. select proxy type as SOCKS5, ip address as loopback 127.0.0.1 and port 9050 and click ok



11. Navigate to path shown in pic in file manager and double click tor.exe



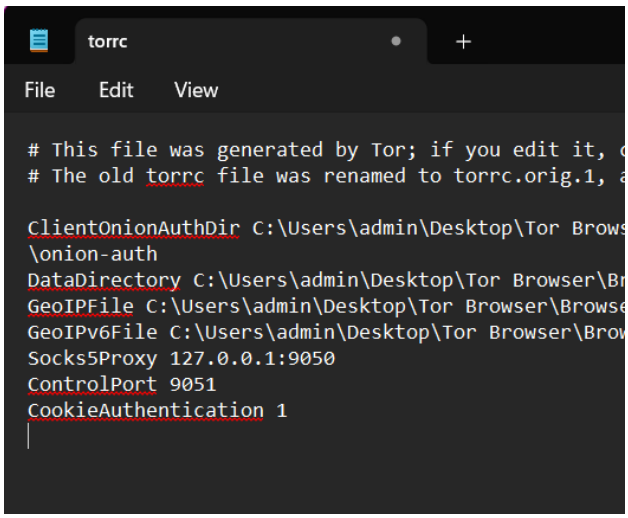
12. Navigate to following path in file manager and select edit with notepad for the torrc file



13. add these two lines at end of file and click file ->save -> close :

ControlPort 9051

CookieAuthentication 1



14. close tor browser and the cmd panel from step 11

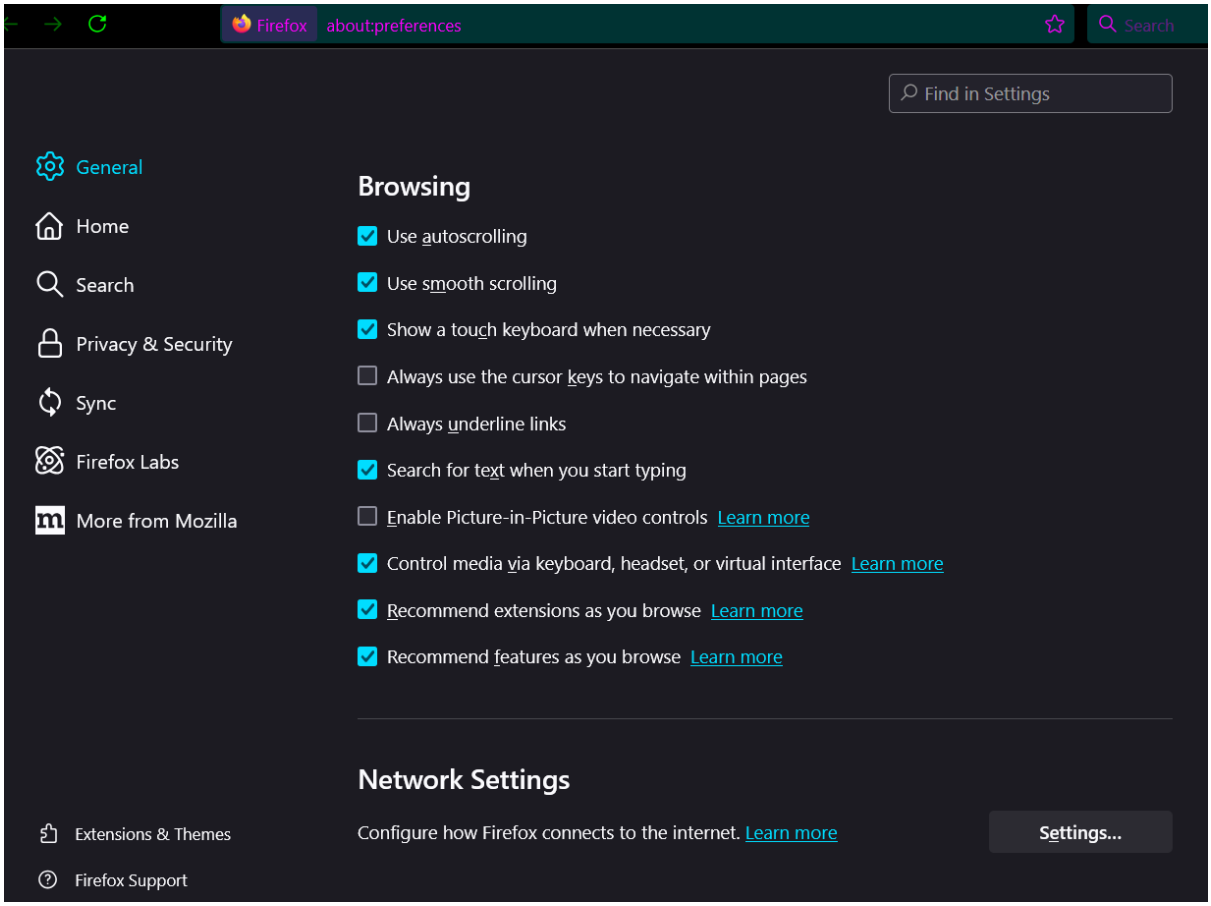
15. Open task manager , locate “tor.exe” process , right click on it and click end task

16. open cmd and enter command :

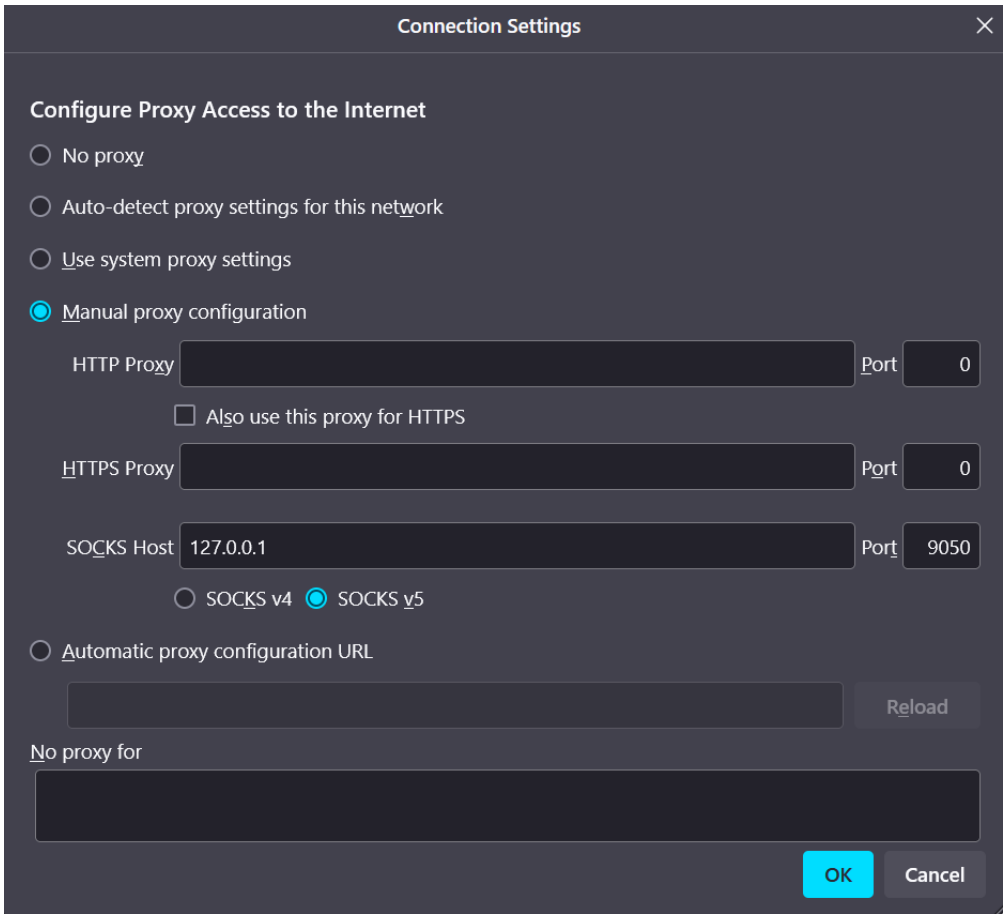
cd C:\Users\admin\Desktop\Tor Browser\Browser\TorBrowser\Tor

tor.exe

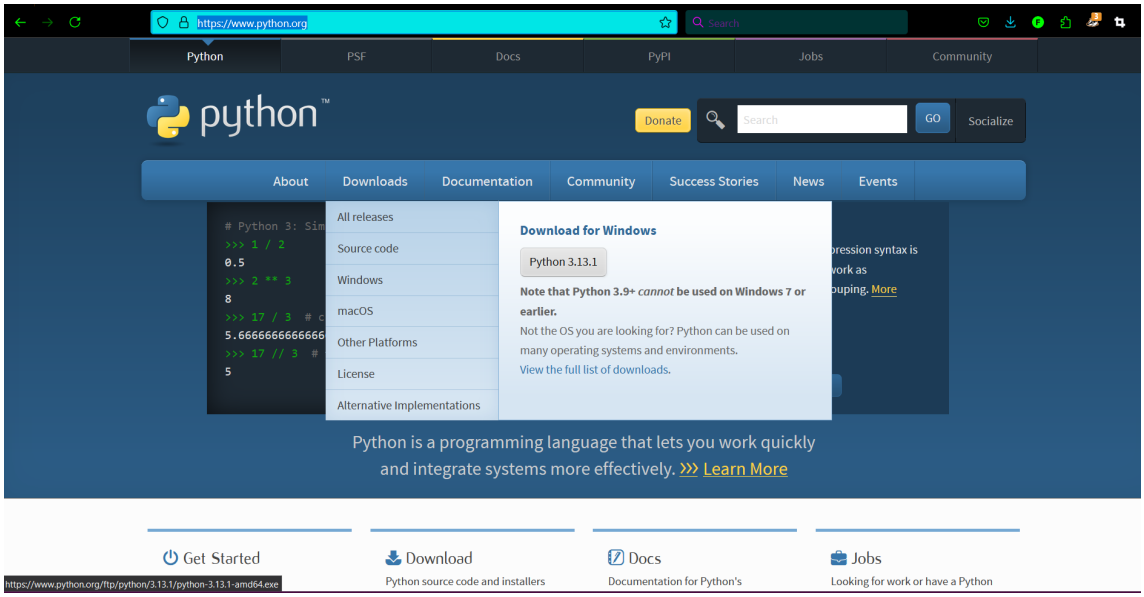
17. open ur firefox , click on 3 horizontal lines in top right , click settings , click general , scroll down , under network setting click settings



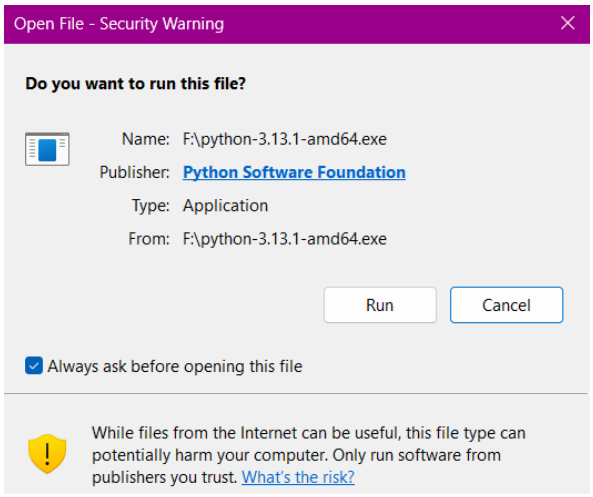
18. click “Manual proxy configuration” and in front of “SOCKS5” enter ip 127.0.0.1 and port 9050 , click ok



19. Download python from official website : https://www.python.org/

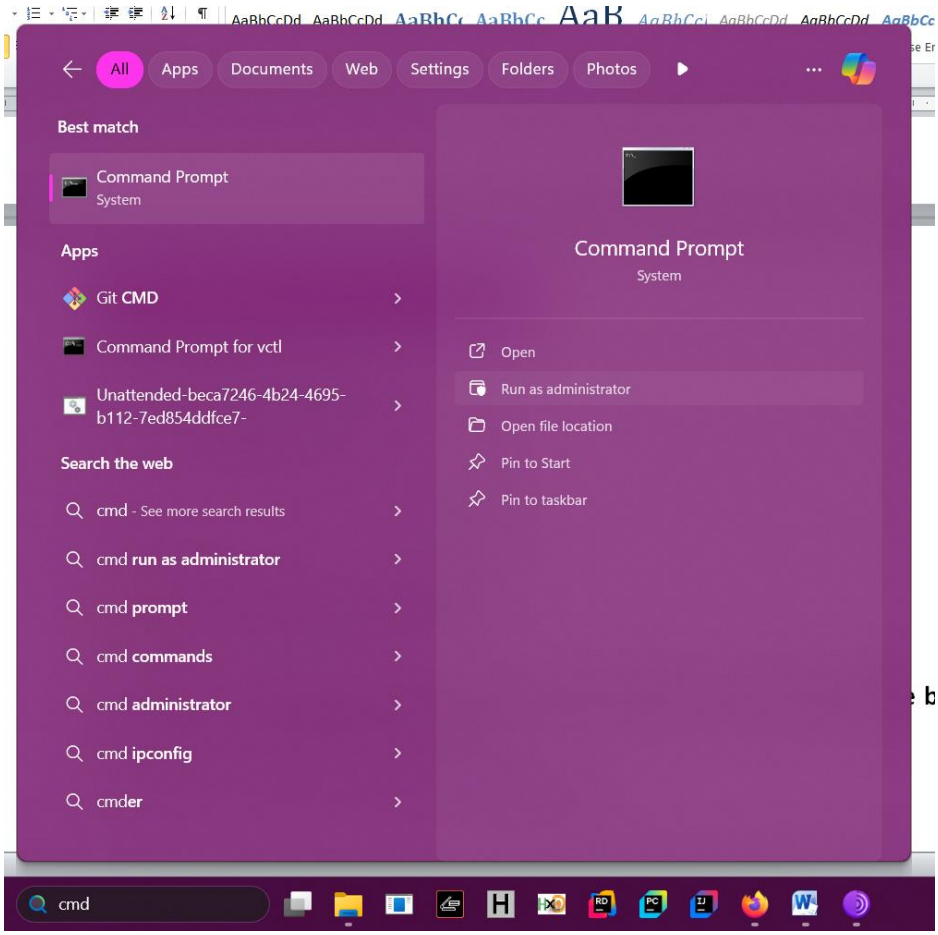


20. Locate the downloaded .exe file and launch and click run



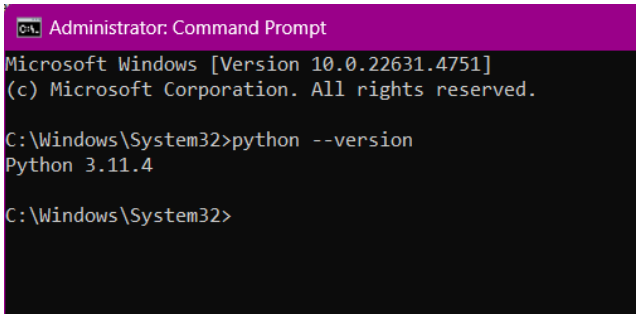
21. Keep everything default by clicking next/continue in every dialogue box that appears and finish the process .

22. Open command prompt as administrator



23. To check if python is installed correctly enter following command :

python --version



24. Now to install the python libraries required for programming enter command : pip install requests stem

```
Administrator: Command Prompt

C:\Windows\System32>pip install requests stem
Collecting requests
  Obtaining dependency information for requests from https://files.pythonhosted.org/packages/f9/9b/335f9764261e915ed497fcdeb11df5dfd6f7bf257d4a6a2a68
  Downloading requests-2.32.3-py3-none-any.whl.metadata (4.6 kB)
Collecting stem
  Downloading stem-1.8.2.tar.gz (2.9 MB)
     ---------------------------------------- 2.9/2.9 MB 7.6 MB/s eta 0:00:00
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing metadata (pyproject.toml) ... done
Collecting charset-normalizer<4,>=2 (from requests)
  Obtaining dependency information for charset-normalizer<4,>=2 from https://files.pythonhosted.org/packages/1e/ab/45b180e175de4402dcf7547e4fb617283b
1-win_amd64.whl.metadata
  Downloading charset_normalizer-3.4.1-cp311-cp311-win_amd64.whl.metadata (36 kB)
Collecting idna<4,>=2.5 (from requests)
  Obtaining dependency information for idna<4,>=2.5 from https://files.pythonhosted.org/packages/76/c6/c88e154df9c4e1a2a66ccf0005a88dfb2650c1dffb6f5c
  Downloading idna-3.10-py3-none-any.whl.metadata (10 kB)
Collecting urllib3<3,>=1.21.1 (from requests)
  Obtaining dependency information for urllib3<3,>=1.21.1 from https://files.pythonhosted.org/packages/c8/19/4ec628951a74043532ca2cf5d97b7b1486393147
  Downloading urllib3-2.3.0-py3-none-any.whl.metadata (6.5 kB)
Collecting certifi>=2017.4.17 (from requests)
  Obtaining dependency information for certifi>=2017.4.17 from https://files.pythonhosted.org/packages/a5/32/8f6669fc4798494966bf446c8c4a162e0b5d893d
ata
  Downloading certifi-2024.12.14-py3-none-any.whl.metadata (2.3 kB)
Downloading requests-2.32.3-py3-none-any.whl (64 kB)
   ---------------------------------------- 64.9/64.9 kB ? eta 0:00:00
Downloading certifi-2024.12.14-py3-none-any.whl (164 kB)
   ---------------------------------------- 164.9/164.9 kB 9.7 MB/s eta 0:00:00
Downloading charset_normalizer-3.4.1-cp311-cp311-win_amd64.whl (102 kB)
   ---------------------------------------- 102.4/102.4 kB 5.8 MB/s eta 0:00:00
Downloading idna-3.10-py3-none-any.whl (70 kB)
   ---------------------------------------- 70.4/70.4 kB ? eta 0:00:00
Downloading urllib3-2.3.0-py3-none-any.whl (128 kB)
   ---------------------------------------- 128.4/128.4 kB 7.9 MB/s eta 0:00:00
Building wheels for collected packages: stem
  Building wheel for stem (pyproject.toml) ... done
  Created wheel for stem: filename=stem-1.8.2-py3-none-any.whl size=436272 sha256=4c75862eae0ac07412cdbec8a66fb3c34fa01ff537662a3cabe80fb1574df99a
  Stored in directory: c:\users\admin\appdata\local\pip\cache\wheels\a8\52\ae\ba7ad30bbb36c7b4bb65e1d08793b3c87fd49dd0395bd4fe34
Successfully built stem
Installing collected packages: stem, urllib3, idna, charset-normalizer, certifi, requests
Successfully installed certifi-2024.12.14 charset-normalizer-3.4.1 idna-3.10 requests-2.32.3 stem-1.8.2 urllib3-2.3.0

[notice] A new release of pip is available: 23.2.1 -> 25.0
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Windows\System32>
```

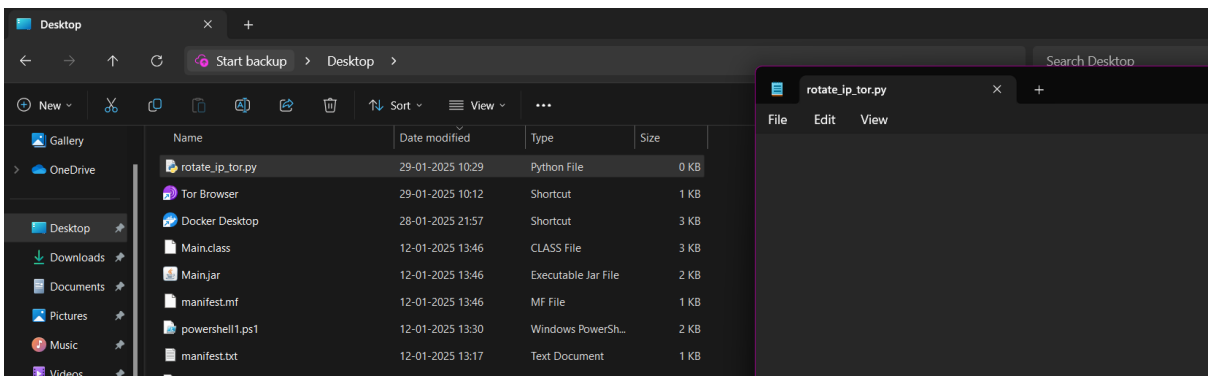
Then enter this command : pip install requests[socks]

```
C:\Users\admin\Desktop>pip install requests[socks]
Requirement already satisfied: requests[socks] in c:\users\admin\appdata\local\programs\python\python
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\admin\appdata\local\programs\pyth
Requirement already satisfied: idna<4,>=2.5 in c:\users\admin\appdata\local\programs\python\python311
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\admin\appdata\local\programs\python\pyt
Requirement already satisfied: certifi>=2017.4.17 in c:\users\admin\appdata\local\programs\python\pyt
Collecting PySocks!=1.5.7,>=1.5.6 (from requests[socks])
  Obtaining dependency information for PySocks!=1.5.7,>=1.5.6 from https://files.pythonhosted.org/pac
ta
  Downloading PySocks-1.7.1-py3-none-any.whl.metadata (13 kB)
Downloading PySocks-1.7.1-py3-none-any.whl (16 kB)
Installing collected packages: PySocks
Successfully installed PySocks-1.7.1

[notice] A new release of pip is available: 23.2.1 -> 25.0
[notice] To update, run: python.exe -m pip install --upgrade pip
```

25. now Navigate to Desktop and create a new text file named

“rotate_ip_tor.py” , the only extension file shall have is .py not .txt,

Then right click on that file and select edit with notepad



26. Paste the following code in that file and click file -> save and close :

```
import requests
from stem import Signal
from stem.control import Controller
import time
def get_tor_session():
    session = requests.Session()
    session.proxies = {
        'http': 'socks5h://127.0.0.1:9050',
        'https': 'socks5h://127.0.0.1:9050'
    }
    return session
def change_ip():
    with Controller.from_port(port=9051) as controller:
        controller.authenticate()
        controller.signal(Signal.NEWNYM)
        print("IP changed successfully!")
def test_tor():
    session = get_tor_session()
    url = 'http://httpbin.org/ip'
    response = session.get(url)
    print(f"Public IP: {response.text}")
def main():
    while True:
        test_tor()
        change_ip()
        time.sleep(5)
```

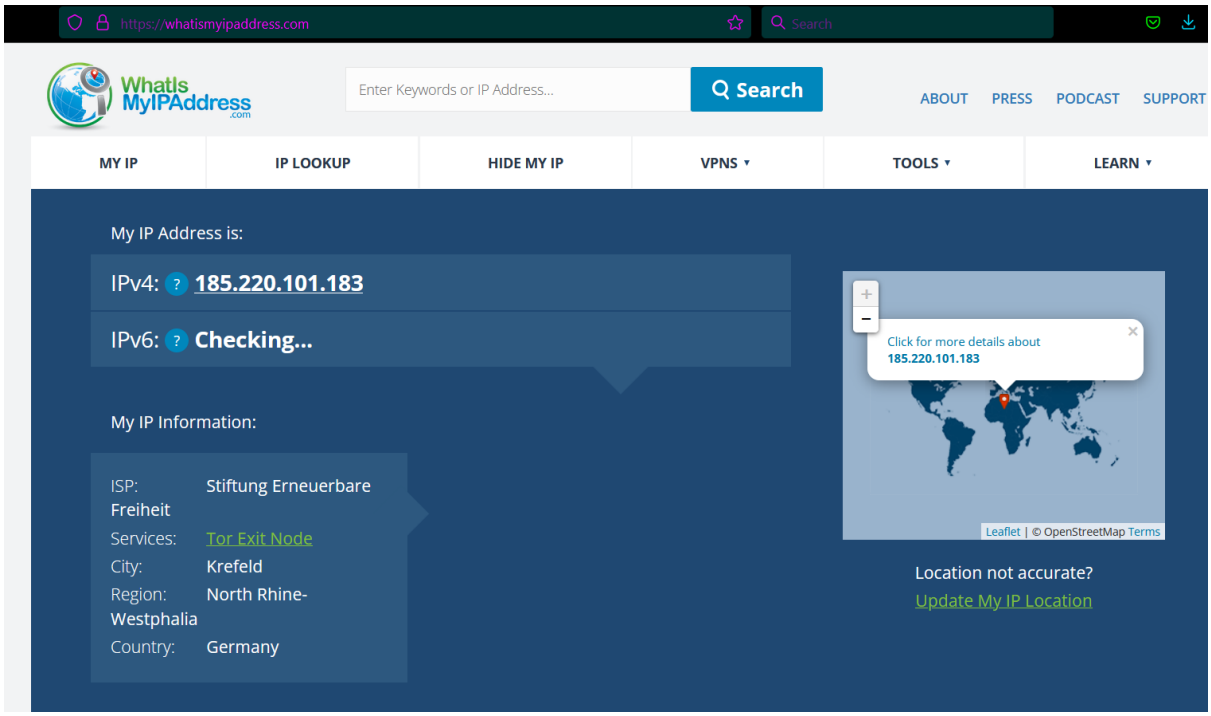
```
if __name__ == "__main__":
    main()
```

27. In Command Prompt navigate to desktop where we saved the python file using cd command : cd C://Users/admin/Desktop

28. run the python file usig this command : python rotate_ip_tor.py

```
C:\Users\admin>cd C://Users/admin/Desktop

C:\Users\admin\Desktop>python rotate_ip_tor.py
Public IP: {
  "origin": "185.129.62.62"
}

IP changed successfully!
Public IP: {
  "origin": "185.129.62.62"
}

IP changed successfully!
Public IP: {
  "origin": "185.129.62.62"
}

IP changed successfully!
Public IP: {
  "origin": "185.129.62.62"
}

IP changed successfully!
Public IP: {
```

29. open firefox , and search " What's my ip" and click on any website



30. SUCCESSFUL !!!!!!!!