PARSHVANATH CHARITABLE TRUST'S
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PROJECT REPORT

BE COMPUTER

Project Batch : B1

Team Leader - Mihir Joshi

Member - Hiten Bhatia

Technology Selected : Python

Project Topic Name : Port Scanner

Problem statement :

To find out redundant ports on a given host/server in order to mitigate an attack and identify network services running on a host.

Detailed Workflow :

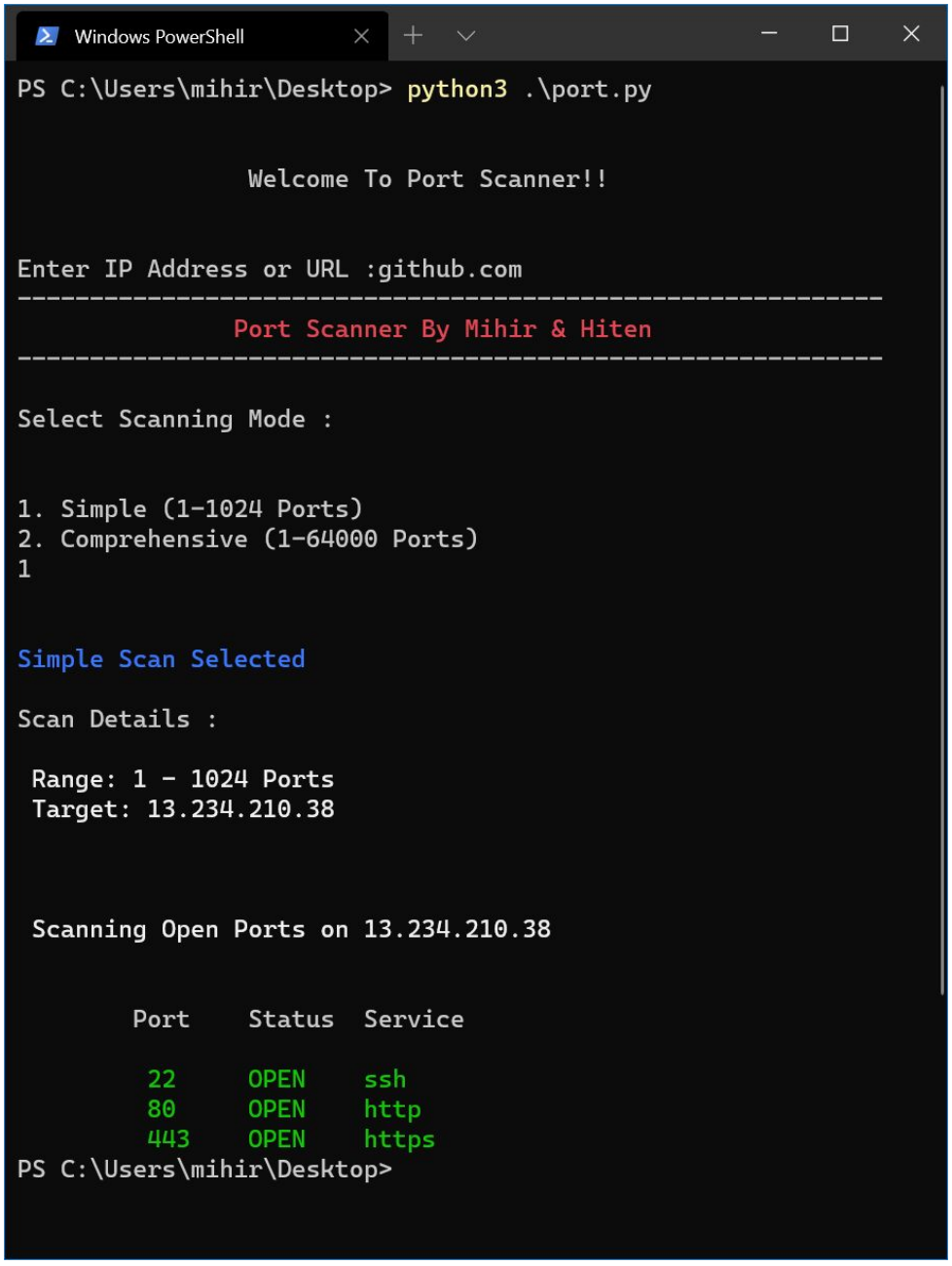
- We are using Sockets, Time and Thread libraries in python
- We will implement python socket programming to scan the ports that are active on the given host.
- We will use a loop to scan the active ports on the host for the specified port range given by the user.
- If a user enters an URL we automatically convert it to its respective IP address.

- There are 2 scanning modes Simple and Comprehensive, Simple Mode(1024 Ports), Comprehensive Mode(64000 Ports).

GitHub / Drive link of project code:

https://github.com/mihir-mj/PortScanner

Output Screenshots :



References:

- Tutorials Point
- GeeksforGeeks
- Computer Network Subject
- Python Socket Programming