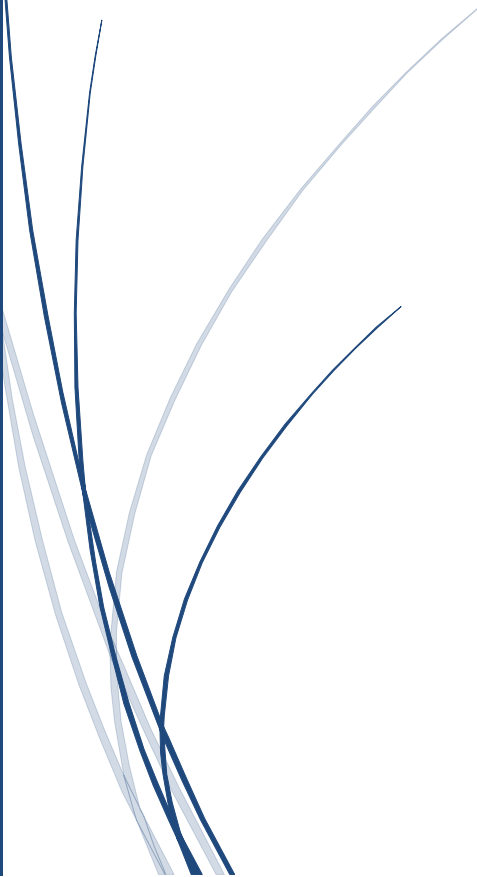11/11/2022

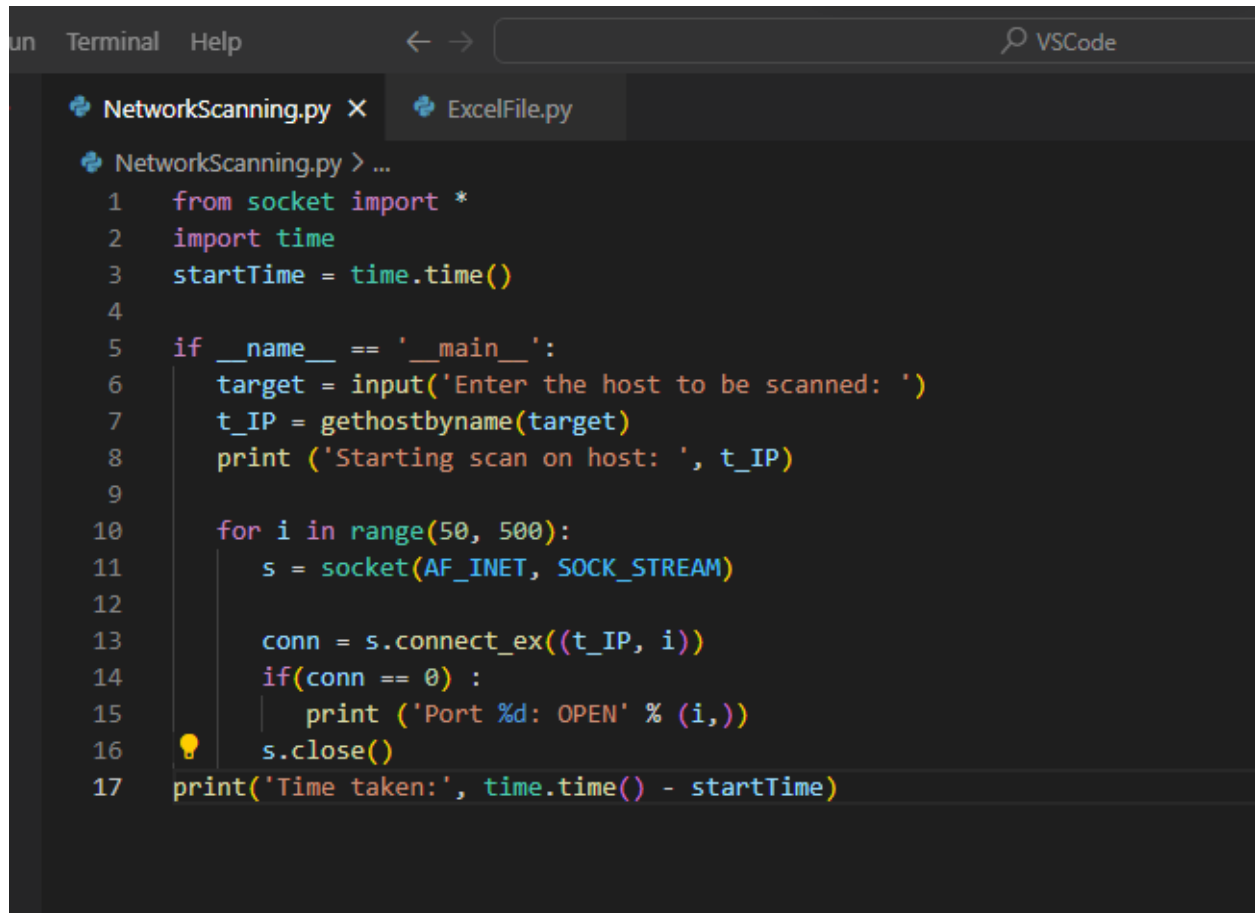# Operating Systems

Network Scanning using Python

Sardar Muhammad Zeeshan khan 27969
SUBMISSION SIR WAQAS AHMED
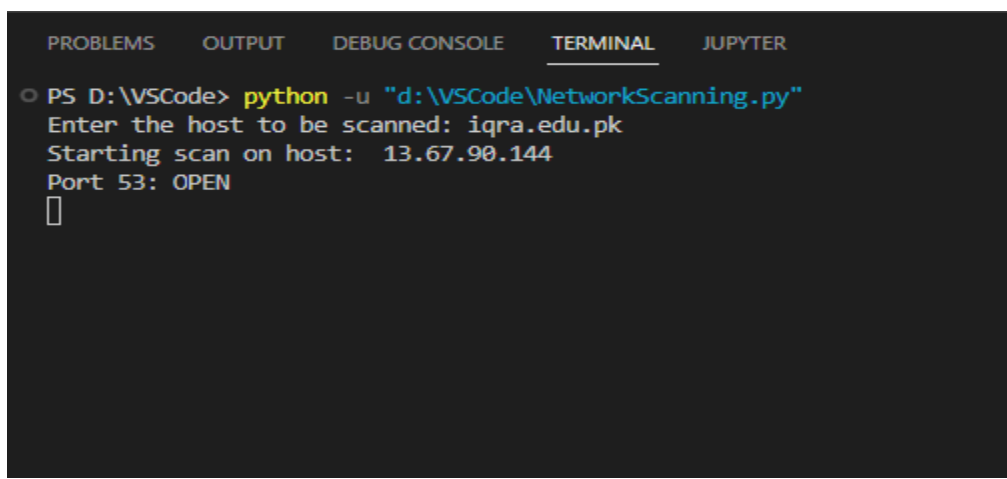
CODE

```python
from socket import *
import time
startTime = time.time()

if __name__ == '__main__':
    target = input('Enter the host to be scanned: ')
    t_IP = gethostbyname(target)
    print ('Starting scan on host: ', t_IP)

    for i in range(50, 500):
        s = socket(AF_INET, SOCK_STREAM)

        conn = s.connect_ex((t_IP, i))
        if(conn == 0) :
            print ('Port %d: OPEN' % (i,))
        s.close()
print('Time taken:', time.time() - startTime)
```

OUTPUT:

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   JUPYTER

PS D:\VSCode> python -u "d:\VSCode\NetworkScanning.py"
Enter the host to be scanned: iqra.edu.pk
Starting scan on host:  13.67.90.144
Port 53: OPEN
```