I have first put the spoofIP and targetIP in TcpAttack class in order to use in other functions, and then complete the scanTarget function according to Lecture 16 example code. In this function it scans all the port to see which port is open and the next function attackTarget is used to flood the port and I have also write function according to Lecture 16 code example, and return 1 if it perform a Dos attack.

Screenshot for port scanning:



A screenshot of a computer

Description automatically generated

Sreenshot for SYN flood attack on port 1716



A screenshot of a computer

Description automatically generated