PRACTICAL NO - 04

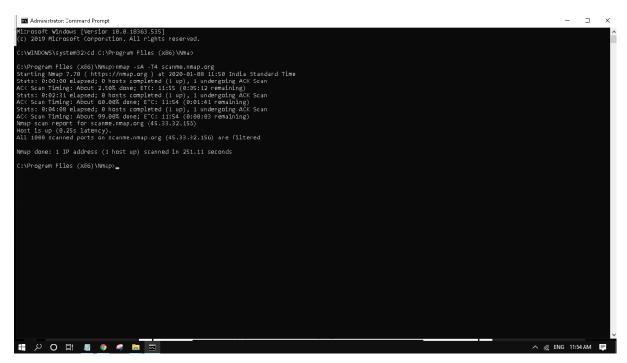
AIM : Using Nmap scanner to perform port scanning of various forms – ACK, SYN, FIN, NULL, XMAS.

NOTE: Install Nmap for windows and install it. After that open cmd and type "nmap" to check if it is installed properly. Now type the below commands.

(A) TYPE THE COMMANDS IN COMMAND PROMPT:

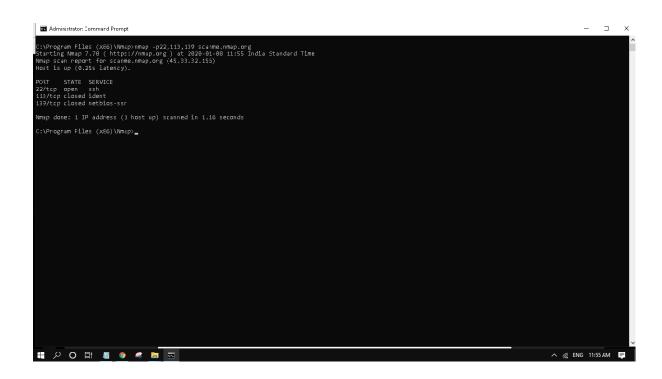
(i) ACK -sA (TCP ACK scan)

Command: nmap-sA-T4 scanme.nmap.org



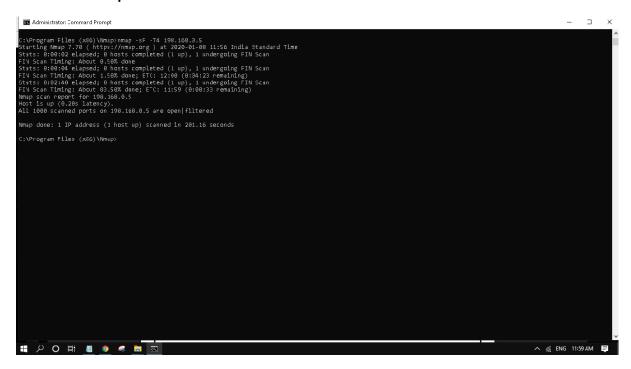
(ii) SYN (Stealth) Scan (-sS)

Command: nmap-p22,113,139 scanme.nmap.org



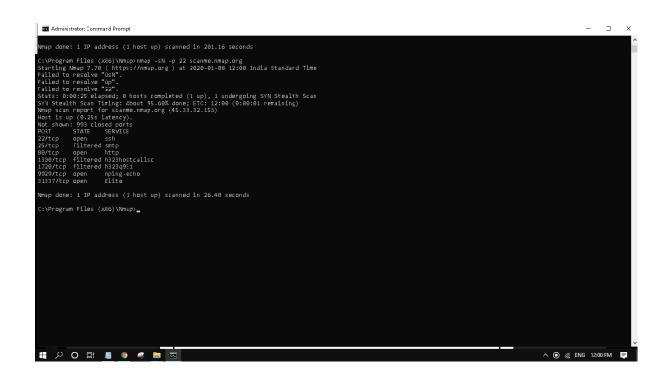
(iii) FIN Scan (-sF)

Command: nmap -sF -T4 192.168.0.5



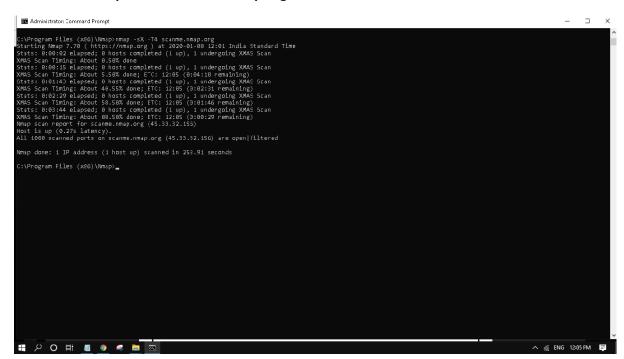
(iv) NULL Scan (-sN)

Command: nmap -sN -p 22 scanme.nmap.org



(v) XMAS Scan (-sX)

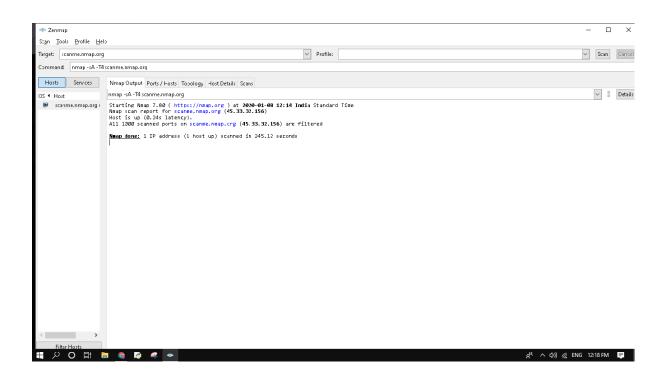
Command: nmap-sX-T4 scanme.nmap.org



(B) TYPE THE COMMANDS IN Nmap:

(i) ACK -sA (TCP ACK scan)

Command: nmap-sA-T4 scanme.nmap.org



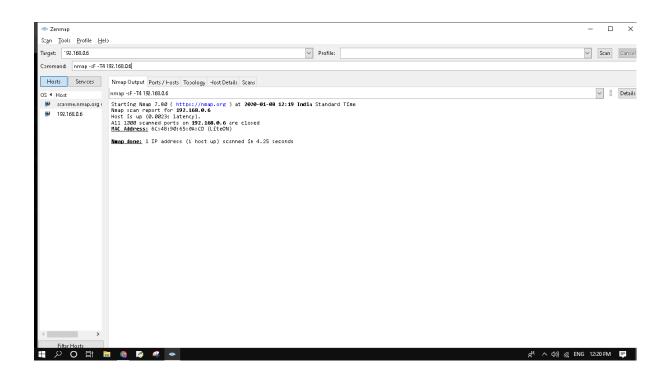
(ii) SYN (Stealth) Scan (-sS)

Command: nmap-p22,113,139 scanme.nmap.org



(iii) FIN Scan (-sF)

Command: nmap -sF -T4 192.168.0.5



(iv) NULL Scan (-sN)

Command: nmap -sN -p 22 scanme.nmap.org



(v) XMAS Scan (-sX)

Command: nmap-sX-T4 scanme.nmap.org

