Task 7: Port Scanner Script

1. Create the script:

#!/bin/bash

read -p "Enter the IP address to scan: " TARGET_IP

echo "Scanning ports 20 to 25 on $TARGET_IP..."

for PORT in {20..25}; do

**timeout 1 bash -c "echo > /dev/tcp/$TARGET_IP/$PORT" 2>/dev/null **

**&& echo "Port $PORT is OPEN" **

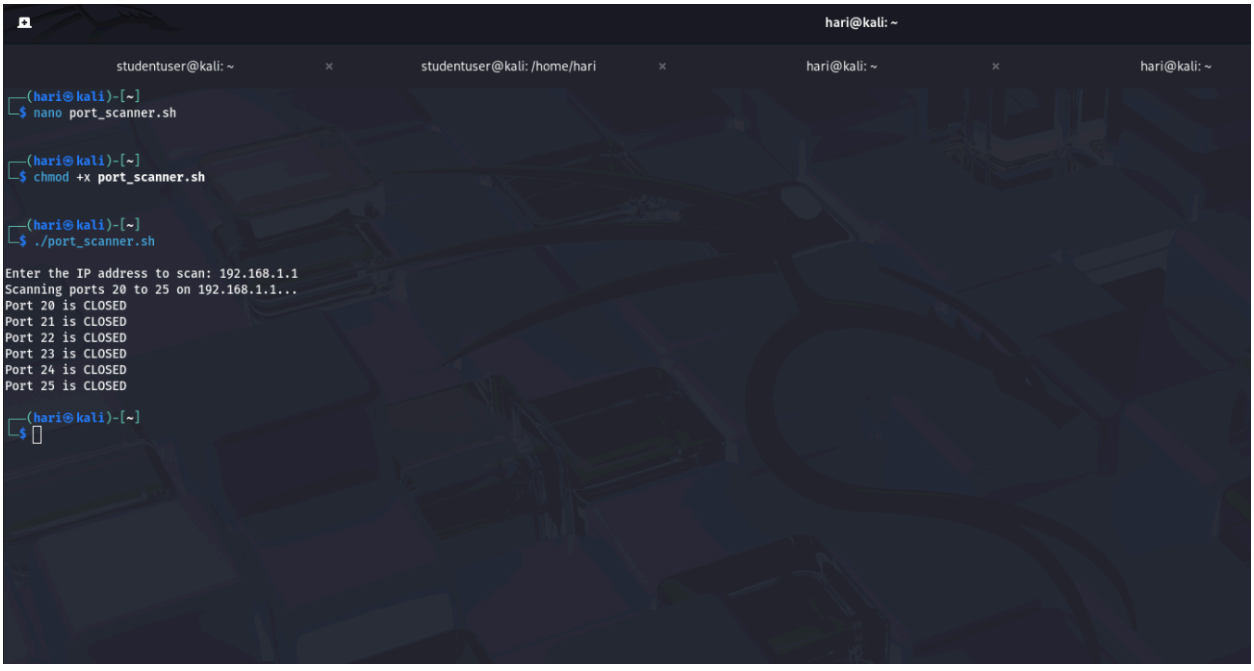
|| echo "Port $PORT is CLOSED"

done

2. Run the script:

chmod +x port_scanner.sh

./port_scanner.sh



Conclusion: Task 7 involved writing a port scanner script to check ports 20–25 on a user-supplied IP using `nc` or `timeout`. It helped practice basic network scanning and demonstrated how to identify open or closed ports through scripting.