Report

Name: Sharayu Jadhav

Class: S.Y. BSc. Cyber Security

* Firewall configuration task report

1.created by: Sharayu Jadhav

2.Date: 31-05-2025

3.system: Window 10

4.Tool: Window Defender Firewall

* Firewall configuration tool

1.Window: Opened on Window Defender firewall via wf.msc

* Listed current firewall

1.Window: Open inbound rules to review the existing configuration

* Rule to block inbound traffic

1.Window : created the new inbound to block TCP port 23.

* Tested the Rule by Attempting to Connect to Port 23

1.Window:

Opened on powershell which result in TcpTestSucceeded : false ,indicating that

Port is block.

* Documented command

1.Window:

Accessed firewall settings via wf.msc.

* **Summary: How Firewalls Filter Traffic**

Firewalls serve as a barrier between trusted and untrusted networks, controlling traffic based on predefined security rules. They operate by:

Packet filtering: Analyzing packets and allowing or blocking them based on source/destination IP addresses, ports, and protocols.

* Sreenshot of firewall rule applied

