**Task 4 – Firewall Configuration Report**

**Objective:**

To configure a firewall to block Telnet (port 23) and allow SSH (port 22) using UFW on Kali Linux.

# - Checked and Enabled UFW Firewall

Commands:

sudo ufw enable sudo ufw status verbose

Result: Firewall active, default deny incoming, allow outgoing.

# - Blocked Port 23 (Telnet)

Command:

sudo ufw deny 23

Result: Port 23 blocked for all incoming connections.

# - Allowed Port 22 (SSH)

Command:

sudo ufw allow 22

Result: SSH access maintained while Telnet blocked.

# - Verified Rules

Command:

sudo ufw status numbered

Result: Rules correctly applied.

# - Tested Telnet Block

Command:

telnet 127.0.0.1 23

Result: 'Connection refused' – firewall successfully blocking Telnet.

**Conclusion:**

The firewall was successfully configured to block Telnet (port 23) while allowing SSH (port 22)

This improves security by preventing unauthorized Telnet access while keeping remote management

