Cybersecurity Lab Setup Report

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Task: Cybersecurity & Ethical Hacking – Task 2

Lab Environment Setup

- Installed VirtualBox for virtualization
- Imported Kali Linux as attacker machine
- Configured two network adapters (NAT + Host-Only)
- Installed and accessed DVWA vulnerable web application

Network & Tool Verification

- Checked IP configuration using ip a command
- Performed ping test to verify network connectivity
- Scanned system using Nmap
- Tested web traffic interception using Burp Suite
- Captured network packets using Wireshark

Learning Outcomes

- Understanding virtual lab isolation
- Basic network configuration (NAT and Host-Only)
- Hands-on experience with security tools
- Setting up a safe environment for penetration testing practice

Screenshot Evidence (Add your screenshots here)

- VirtualBox VM list
- Kali Linux running screen
- IP configuration (ip a)
- Ping test
- Nmap scan result
- DVWA access screen
- Burp Suite interception
- Wireshark capture