

Ethical Hacking Basics

1. What is Ethical Hacking?

- Authorized testing of systems for vulnerabilities.
- Helps organizations improve security.

2. Phases of Ethical Hacking

- Reconnaissance
- Scanning
- Gaining Access
- Maintaining Access
- Reporting

3. Common Tools

- Nmap
- Metasploit
- Wireshark
- Burp Suite

4. Legal & Ethical Considerations

- Always obtain permission before testing.
- Follow legal frameworks and compliance.