

→ Ethical Hacking -

Also known as white-hat hacking is the practice of deliberately and legally exploiting vulnerabilities in computer systems, networks or applications with the permission of system owner.

Distinguishing ethical Hacking from malicious hacking -

i) Intent

ii) Legality

iii) Ethical Considerations

By upholding ethical standards, ethical hackers contribute

to a safer secure digital environment benefiting both businesses and society as a whole.

→ Open-source intelligence (OSINT) refers to the collection and analysis of publicly available information from open sources. OSINT involves gathering data from freely accessible sources to obtain insights, identify trends and gather intelligence on various subjects.

- i) Domain Information
- ii) Company Information
- iii) Social Media Analysis
- iv) Online Presence
- v) Threat Intelligence

→ Google Hacking -

Known as Google Dorking is a technique used by ethical hackers to leverage Google's search engine capabilities to discover sensitive information and vulnerabilities on internet.

- i) Discovery of Vulnerable Systems
- ii) Identification of Exposed Data
- iii) Enumeration of Web servers
- iv) Reconnaissance of Targeted Websites
- v) Identification of Exploitable services
- vi) Researching Malicious Activity.