

Module 1: Cybersecurity Fundamentals

What is Cyber space.

↳ Computer transactions take place.



VIRTUAL

↳ communication via Internet

What is Cybersecurity?

→ implementations of METHODS for preventing attacks on a organization info sys & networks.

↳ Protect physical systems

↳ Unauthorized access or injection of code.

Important??

Data security branches

Subotage

SSN
PCI
Trade secrets

↓
encrypt
networks.

What is a Hacker?
Individual or group → Break in
computer system
& networks

Three Types of Hackers.

1. Grey Hats → For fun
2. Black hats → malicious Reason
3. White Hats → employed to
hack, ethical hacking

Famous Hackers:
Kevin Mitnick → Hacked
" American Defense

North
Command

Astra → Hacked French aircraft
company.

Demon → made over \$86 million

Anonymous → Hacktivist group
social & political

↳ CHAN

Cyber Attacks

- 1.) Cost of Breach → \$3.62 million
 - 2.) Undetected threats → 191 days
 - 3.) Inside job → 60% attacks
 - 4.) 50/50 Risk
- ... → Bhishin

- 5.) A Wrong Click ^{Happy} Clicks
- 6.) Poor Passwords.