

# Cyber security



Juna Teres Martin  
S2 CSE A  
Roll no : 36



- 2

# Introduction

- The word cyber relates to Information Technology, the internet and virtual reality
- The term Cyber Security is that the security offered through online services to protect online information

# Need of Cyber security

- It helps in securing data from threats like data theft and misuse
- It safeguards computer from viruses
- It secures from cyber crime
- To protect systems, computers, and data from attack, damage and/or unauthorized access.

# What is cyber crime?

- CyberCrime is criminal activity that either targets or uses a computer, a computer network or a networked device.
- Cybercrime may threaten a person, company or a nation's security and financial health.

# Major security problems

- Virus
- Hacker
- Malware
- Trojan horses
- Password cracking

# Virus

- A computer virus is a computer program that when executed replicates itself by modifying other computer programs and inserting it's own code.
- It is loaded onto computer without our knowledge and runs against our wishes.
- Solution: install a security suite that protects the computer against threats.

# Hacking

- In hacking a hacker breaks into the computer, usually by gaining access to administrative control.
- Solution: Don't access personal or financial data with public WiFi , use a password,lockcode or encryption.





# Malware



- Malware is a collective name for a number of malicious software variants including viruses , ransomware and spyware
- Solution :download an anti malware program, donot download from unknown sources.

# Trojan horses

- Trojan horses are email viruses that can duplicate themselves, steal information, or harm the computer system.
- These viruses are the most serious threats to computers.
- Solution: Security suites like avast internet security will prevent you from downloading Trojan horses, do not click on unknown links.

# Password cracking

- Password attacks are attacks by hackers that are able to determine passwords or find passwords to different protected electronic areas and social network sites.
- Solution: use always strong password, never use same password for two different sites.

# Advantages of Cyber security

- Protects personal info.
- Protects productivity.
- Gives privacy to users.
- It will defend from viruses and hacks.
- Customer protection.

# Conclusion

'Cyber security is our responsibility'

- Computer security attempts to ensure the confidentiality, integrity and availability of computer system and their components.
- The computer security is a continuous battle
- Its need of time to spread awareness of Cyber security

# Sources

- [https://en.m.wikipedia.org/wiki/Computer\\_security](https://en.m.wikipedia.org/wiki/Computer_security)
- <https://www.cybintsolutions.com/cyber-security-facts-stats/>
- [https://depts.washington.edu/chdd/admin/hippa\\_security/your\\_role\\_information\\_secur.ppt](https://depts.washington.edu/chdd/admin/hippa_security/your_role_information_secur.ppt)

***Thank you***