Cyber Security Assignment Module 1 CS- Introduction

1. What is meaning of cyber security

Ans: [Cybersecurity refers to the practice of protecting computer systems, networks, and data from unauthorized access, attacks, and cybercrime](https://www.bing.com/ck/a?!&&p=9c717c90a83a753c96671ff19f5361ca4f1dcb9f11ad8ee4c67d700fb4cbcd85JmltdHM9MTczMjQwNjQwMA&ptn=3&ver=2&hsh=4&fclid=1dcdf568-3d87-6e75-32ad-e1b43c1c6f7f&psq=What+is+meaning+of+cyber+security&u=a1aHR0cHM6Ly93d3cuaWJtLmNvbS90b3BpY3MvY3liZXJzZWN1cml0eQ&ntb=1).

1. What are the main objectives of cyber security?

Ans: Done.

1. What is offensive and defensive in cyber security?

Ans: Offensive security identifies vulnerabilities, enhances threat detection, and improves incident response readiness.

Defensive security aims to prevent cyberattacks and stop hackers before they reach their objective.

1. What is cyberspace and low

Ans: Cyberspace is termed as a virtual and dynamic domain created by computer clones.

1. What is cyber welfare?

Ans: Cyberwarfare is a sequence of cyberattacks that seriously injure a nation-state and affect widely.

1. Explain the Types of Hacker

Ans: Main Three Types of Hacker :

1. Ethical Hackers (White Hat)
2. Malicious Hackers (Black Hat)
3. Grey Hat Hackers
4. What is the full form of SOC in cyber security

Ans: [Security Operations Center](https://www.bing.com/ck/a?!&&p=03ee6cf95e3a8e6994f3a1c7ab16a7ceb72786e0e0529e9f9503f4d1134367d4JmltdHM9MTczMjQwNjQwMA&ptn=3&ver=2&hsh=4&fclid=1dcdf568-3d87-6e75-32ad-e1b43c1c6f7f&psq=soc+full+form+in+cyber+security&u=a1aHR0cHM6Ly93d3cuaWJtLmNvbS90b3BpY3Mvc2VjdXJpdHktb3BlcmF0aW9ucy1jZW50ZXI&ntb=1)

1. What are the Challenges of Cyber Security

Ans: Done in Lab.