**Meaning of Computer Security**

Computer security refers to measures and controls that ensure the confidentiality, integrity and availability of the information processed and stored by a computer

Computer security refers to protecting and securing computers and their related data, networks, software, hardware from unauthorized access, misuse, theft, information loss, and other security issues. The Internet has made our lives easier and has provided us with lots of advantages but it has also put our system’s security at risk of being infected by a virus, of being hacked, information theft, damage to the system, and much more.

Technology is growing day by day and the entire world is in its grasp. We cannot imagine even a day without electronic devices around us. With the use of this growing technology, invaders, hackers and thieves are trying to harm our computer’s security for monetary gains, recognition purposes, ransom demands, bullying others, invading into other businesses, organizations, etc. In order to protect our system from all these risks, computer security is important.

**Types of computer security**

Computer security can be classified into four types:

**1. Cyber Security:** Cyber security means securing our computers, electronic devices, networks , programs, systems from cyber attacks. Cyber attacks are those attacks that happen when our system is connected to the Internet.

**2. Information Security:** Information security means protecting our system’s information from theft, illegal use and piracy from unauthorized use. Information security has mainly three objectives: confidentiality, integrity, and availability of information.

**3. Application Security:** Application security means securing our applications and data so that they don’t get hacked and also the databases of the applications remain safe and private to the owner itself so that user’s data remains confidential.

**4. Network Security:** Network security means securing a network and protecting the user’s information about who is connected through that network. Over the network hackers steal, the packets of data through sniffing and spoofing attacks, man in the middle attack, war driving, etc, and misuse the data for their benefits.

## Importance of Computer Security

### To Protect Personal Information

### To Protect Company Properties

### To Prevent Data Theft

### To Prevent Malware and Viruses

### To Protect From Unauthorized Access