

Class – VII
Computer
Chapter 3 Computer Virus

Computer Virus: It is a program or a set of instructions that is loaded on to your computer without your knowledge and runs against your wishes.

Types of virus:

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|--------------------------|------------------------------|
| 1. Memory resident virus | 6. Directory virus |
| 2. Direct action virus | 7. Polymorphic virus |
| 3. Overwrite virus | 8. Companion virus |
| 4. Boot sector virus | 9. File allocation virus FAT |
| 5. Macro virus | 10. Web scripting virus |

Measures to prevent virus attack

Following are the measures to prevent your computer from virus:

1. Install an antiVIRUS program.
2. Isolate the usage of affected drives.
3. Ignore any unknown attachments in emails.
4. Update antiVIRUS program with the passage of time.

Symptoms of Virus attack

1. Your computer may work slower than it was.
2. Your computer freezes frequently or does not open properly.
3. Your computer restarts in every couple of minutes.
4. The applications in your computer doesn't work properly.
5. You cannot reach to discs and drivers.
6. You cannot print.
7. You sense unexplained data loss.
8. You observe frequent computer crashes.

Forms of VIRUS attack

1. Malware: This is the software which is specifically designed to disrupt, damage, or gain authorized access to a computer system.
2. Worm: A computer worm is a stand alone malware computer program. It is a self replicating computer program that penetrates an operating system with intent of spreading malicious code.
3. Spyware: Spyware is a type of malware that is installed on a computer without the knowledge of the owner in order to collect the owner's private information.
4. Trojan horse: A Trojan is similar to a VIRUS except that it does not replicate itself. Trojan malware takes its name from the classical story of the Trojan horse, because it imitates the technique to infect computers.
5. Sweeper: VIRUS Sweeper is a fake anti Virus program also known as a rogue.

Anti virus software :

Some of the examples of AntiVirus software's include:

1. Kaspersky
2. Panda
3. Bit Defender
4. Norton
5. McAfee

Firewall

Firewalls are software programs or hardware devices that filter the traffic that flows into your PC through an internet connection.