Computer Virus

Definition

- Virus is a program which has ability to reproduce (replicate) and attach itself to other programs.

RESIDENT VIRUS

- This type of virus is a permanent which dwells in RAM.
- From there it can overcome and interrupt all of the operations executed by the system, corrupting files and programs that are opened, closed, copied, and renamed

BOOT VIRUS

- Program in Boot record loads the OS at start up.
- Boot virus replaces the boot record or moves it to a different place.
- When you start computer the OS loads into main memory along with the virus.
- Once the virus is in RAM it is free to do whatever it was programmed to do.

PROGRAM VIRUS

- This type of virus will infect only executables.
- Once the program containing virus is loaded into RAM the virus will also be loaded into RAM.

MULTIPARTITE VIRUS

- These computer viruses are hybrid in nature.
- They infect executable files like program virus.
- Once the executable is executed it infects the master boot records.

STEALTH VIRUS

- These viruses redirect the hard disk head forcing to read another memory sector instead of their own.
- Some of them also alter the reading file size.

OVERWRITE VIRUS

- Virus of this kind deletes or modifies the content of a file

POLYMORPHIC VIRUS

- Polymorphic virus always change their source code from one infection to another.

- Each infection is different.

- They encode themselves in different way in each infection.

MACRO VIRUS

- Macro virus infect files that are created using certain applications or programs that contain macros

SYMPTOMS OF VIRUS

Unexplained messages appear on the screen.

Key board does not work properly

Unexplained printing problems occur

Specific files are deleted.

Unknown files are added to a disk.

Unexplained modifications are made to documents

AVOIDING INFECTION & RECOVERY:*USE ANTIVIRUS*

- Install an antivirus software such as quick heal, McAfee, Nortron.
- It eradicate virus that have already been contracted on computer.
- You should have an internet connection to update the antivirus.
- Make sure that updates are current (not more than one week old).
- Scan system regularly.

BACUP YOUR IMPORTANT DATA

- Back up your work on several removable disks or hard drives

RUN NEW SOFTWARE WITH CAUTION

- Always use antivirus to scan the new software before installing or running.

ON THE FIREWALL

- If you are using Windows XP enable firewall by using security centre in control panel. It will block worms entering into your system

Do not use Pendrives, memory cards without scanning.

RECOVERY

- Restore from backup and scan by antivirus