

Good Morning Students,

Students, this lesson is for class VII, for the subject of Computers. Topic is 'Computer Viruses' which is covered in chapter 3.

So, I hope all the students are ready for today's lesson. Children, in previous lesson we have discussed the mediums through which viruses spread in our computer system. Today we will discuss different types of viruses.

1. Sweeper :- It is one of the types of virus.

Sweeper is a program, that when it is installed, starts to perform actions such as scanning the computer without user's permission. It looks like an Antivirus program, so users get trapped to download it. Once it is installed in computer, it creates variety of fake files in the computer.

2. Malware :- The word Malware originates from two words Malicious and Software which means harmful software. It's work is to not only damage the computer but it also steal your important data or information. Some examples of data stealing malware are Bancos, that is used to steal banking details that we access on our computer and Gator is used to monitor

your web surfing habit and sends you more ads related to your choice with more infected files.

3. Computer Worms :- A worm is a computer program that has the ability to copy itself from machine to machine. A worm is similar to a virus in design and it is considered as sub class of a virus. Due to worms web servers, network servers and individual computers stop responding.

4. Trojan Horse :- It is a computer software that initially looks like a useful software, but once user installs it in device it acts as a virus. Trojan is designed to spy on the victim's computer, access files etc. They do not have the ability to copy itself, they trick humans or users for opening them. Trojans also create a backdoor on a computer that gives an easy and unauthorized access to another users.

5. Spyware :- These programs can collect various type of personal information, such as Internet surfing habits, visited web pages, passwords and even credit card numbers. They enter the computer system and monitors or spy the user activity without his knowledge.

'Steps to prevent virus'

Generally computer viruses infects and spreads from one computer to another by transferring data by using different mediums. Here are few steps using which we can protect our system from viruses.

Steps to prevent virus attack :-

1. Use Antivirus program in your device.
2. Always scan the pen drive before copying files.
3. Scan the hard disk twice a month.
4. Always scan the downloaded files before opening.
5. Never click on ~~the~~ an attachment in an e-mail, unless it is from some genuine source.
6. Avoid downloading and installing pirated software from the Internet.
7. Take the backup of your important files or information on regular basis.

Children, now we will discuss about 'Antivirus'.

It is a computer program or set of instructions which is specially designed to identify, prevent, remove viruses from a computer. It scans computer files for viruses and tries to remove them. It also indicates the infection in various files. Some popular antivirus software are Quick Heal, AVG Antivirus, Norton etc. There are free and paid antiviruses that are used by individuals according to their requirement.

How Antivirus works ? :- There are two main components in an antivirus.

First is the file pattern which is used to identify virus and second is the antivirus scan files and compare them with the pattern of files to verify the infection or virus.

Importance of Regular updates :- If we want to protect our computer completely from all types of viruses then we should always update or upgrade our antivirus, so that it can remove all types of viruses.

Using an Antivirus Software :- Follow the given steps:-

1. To open AVG antivirus, click on Start → All Programs → AVG → AVG User Interface.
2. Click on 'Scan' option. You will now get 'Scan Now' option.
3. Click on 'Scan Now' option.
4. The scanning process will start. At end Scan finished will appear on your screen.