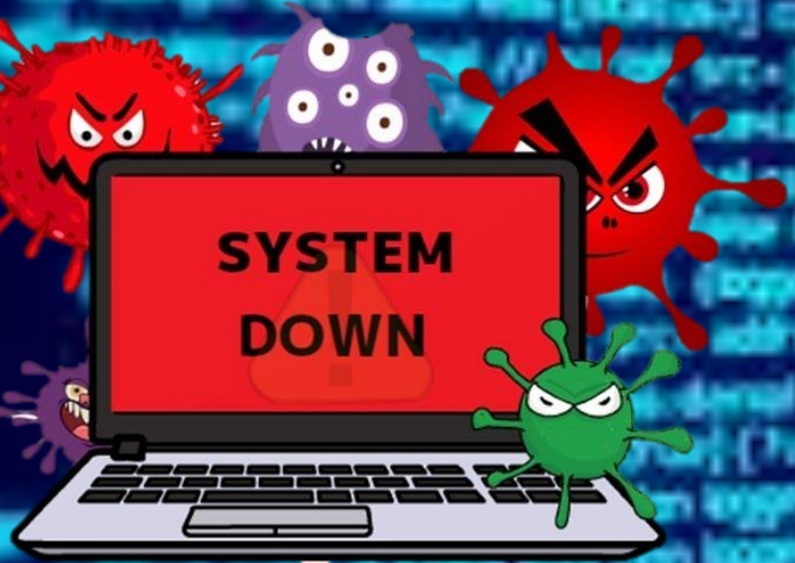


# Computer Virus



Prep By: Muhammad Adnan



**VIRUS**



# Computer Virus:

A **computer virus** is a type of malicious software program (**malware**) designed to spread from one computer to another and interfere with normal computer operations.

It can:

- **Replicate itself** by attaching to legitimate programs or files.
- **Corrupt or delete data** on a computer.
- **Slow down system performance** or cause it to crash.
- **Steal personal information** or give unauthorized users control over the system.

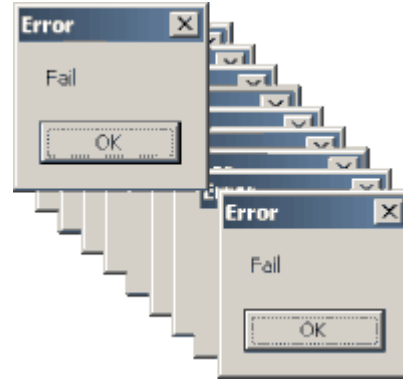
## Viruses typically spread through:

- Infected email attachments.
- Downloading files from untrusted websites.
- Plugging in infected USB drives.



## 1. File Virus

- Hides in regular programs or apps.
- Starts working when you open that file.
- It can damage or change your files.



## 2. Macro Virus

- Hides in documents like Word or Excel files.
- Spreads when you open or share those files.
- It can mess up your documents.



## 3. Boot Virus

- Attacks the part of the computer that helps it start.
- Activates when you turn on your computer.
- Can stop your system from starting properly.



## 4. Polymorphic Virus

- Changes itself every time it spreads.
- Makes it hard for antivirus programs to find it.



## 5. Resident Virus

- Hides in your computer's memory (RAM).
- Keeps working even if you delete the original infected file.



## 6. Web Scripting Virus

- Found on dangerous or fake websites.
- Can infect your computer just by visiting the site.



## 7. Trojan Horse:

- **Pretends to be something good**, like a game or useful program.
  - But once you open it, it **lets hackers into your system** or **steals information**.
  - It **doesn't spread by itself** — you have to download or run it.
  - 🧠 Think: *"It tricks you!"*
- ✅ Example: A fake "Free Movie Player" that secretly installs a spy program.


## 8. Worm:

- A worm is a **self-spreading malware**.
  - It **copies itself and spreads** across computers and networks **without needing your help**.
  - Often causes **slow networks or crashes**.
- ✅ Example: A worm might email itself to all your contacts or crash the whole network at school or work.

## Antivirus:

An antivirus is a software program designed to detect, prevent, and remove viruses and other harmful software (called malware) from your computer or device.

### **In simple words:**

 **Antivirus is like a security guard** for your computer. It keeps an eye out for bad stuff and stops it before it can do harm

## What Antivirus Does:

- **Scans files** and programs to check if they are safe.
- **Warns you** if a file or website is dangerous.
- **Removes viruses** or puts them in quarantine (a safe place).
- **Protects in real-time** by watching what you download or open.





## Common Antivirus Examples:

- ☐ Windows Defender
- ☐ Avast
- ☐ Norton
- ☐ McAfee
- ☐ Kaspersky

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END!  

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