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**Virus VS Worms**

A computer virus is more than just software, it is designed with the intention of causing harm to a computer system. Some characteristics of a virus include the ability to replicate itself and attach to legitimate files or programs on a computer. Upon replication, the virus's code carries a malicious intent to disrupt the normal operation of a computer or network. To achieve this, viruses attempt to conceal their presence to avoid detection. They frequently have an activation trigger, which is typically an event or condition that initiates the execution of the malicious process to attack the system. Virus have many means of spread mechanisms that include email attachments, infected files shared on networks, removable storage devices like USB drives, and malicious websites.­

Types of virus : Boot Sector virus , Web Scripting , Browser Hijacker ,Polymorphic virus ,File Infector Virus , Macro virus , RootKit Virus …

Symptoms of a virus : pop up windows , changes of homepage , mass email send from your email , frequent crash to the device and sometimes the device is not able to come back on , unknown programs begging downloaded .

On the other hand, a worm is different from a virus and operates differently. One key distinction is that a worm can self-replicate and propagate on its own, often within computer networks and the internet, including LANs and other computer networks. Essentially, they exploit vulnerabilities in network services to infect the entire network and cause harm to other computers. They are standalone programs that operate independently and does not require a host file .However it is similar to Virus in the form of Malicious intent and concealment .

Example : IloveYou worm that caused a harm of over 5 billion dollars to over 10 million Computer .

Reference :

Video 1 : <https://youtu.be/Ip-u5NZJiwY?si=bRKHSLU4ocJeVP4y>

Video 2 : <https://youtu.be/Bk118BJ9bjQ?si=VGL8JpHe_b0329mW>

Also I used at the end ChatGpt to correct my English spelling and grammar .