Types of Cyber Threats

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1. **Malware**: Malicious software designed to harm or gain unauthorized access to a computer system. Examples include viruses, worms, trojans, ransomware, and spyware.

2. **Phishing**: A type of social engineering attack where attackers deceive individuals into providing sensitive information such as passwords, credit card details, or personal information by posing as a trustworthy entity.

3. **Denial of Service (DoS) Attack**: Overloading a system or network with excessive traffic to disrupt normal operations, making the system inaccessible to legitimate users.

4. **Man-in-the-Middle (MitM) Attack**: Attackers intercept and potentially alter communication between two parties without their knowledge. This can lead to data theft or manipulation.

5. **SQL Injection**: Exploiting vulnerabilities in web applications to manipulate databases by injecting malicious SQL code. This can lead to unauthorized access to sensitive data.

6. **Zero-Day Exploit**: Attackers target vulnerabilities in software that are unknown to the software developer. This allows them to exploit the vulnerability before a patch or fix is available.

7. **Insider Threats**: Attacks or data breaches initiated by individuals within an organization. This can be intentional (malicious insider) or unintentional (negligent insider).

8. **IoT Vulnerabilities**: Security weaknesses in Internet of Things devices such as smart home devices, wearables, and industrial sensors that can be exploited to gain unauthorized access or control.

9. **Cryptojacking**: Illegally using someone else's computing resources to mine cryptocurrencies without their consent. This can slow down systems and increase electricity

costs.

10. **Ransomware**: Malware that encrypts a victim's files and demands a ransom for decryption. Failure to pay the ransom often results in permanent data loss.

Understanding these types of cyber threats is crucial for individuals and organizations to implement appropriate security measures to protect against potential attacks.