## Malware Attack ✓

*prepends* ✗

*embed*

*appending*

*ransom note*

**a cyber attack = 1 malware + 1 or more**



Common types of cyber attacks

Malware refers to malicious software, such as virus, worm, spyware, ransomware, adware and trojans. *drive by download*

First name:
Acct #
Bank: } bitcoin address — *untraceable, or alphanumeric*

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## Phishing Attack

- Most prominent widespread types of cyber attacks.
- It is a type of social engineering attack wherein an attacker impersonates to be a trusted contact and sends the victim fake mails.

Princes April De Guzman

## Password Attack

in which an attacker attempts to gain unauthorized access to a system account or network by trying to crack or guess passwords.

various tools and techniques are employed for this purpose, including brute-force attacks, dictionary attacks, and keylogger attacks

## Man-in-the-Middle Attack

also known as an "eavesdropping attack"

In this attack, an attacker comes in between a two-party communication, i.e., the attacker hijacks the session between a client and host.

By doing so, hackers steal and manipulate data.

# SQL Injection Attack

*database.*

*backup facebook + accounts*

A cyber attacks that targets databases used by web applications.

It is carried by injecting a malicious code into a vulnerable website search box, thereby making the server reveal crucial information.

# Denial-of-service Attack

- where the attacker floods a network, system, or server with traffic, rendering it inaccessible to its intended users.

- DoS attacks can be financially damaging due to downtime, reputation damage, and potential loss of business.

# *Insider Threat*

- involves individuals within the organization who have privileged access to systems, networks, or data.
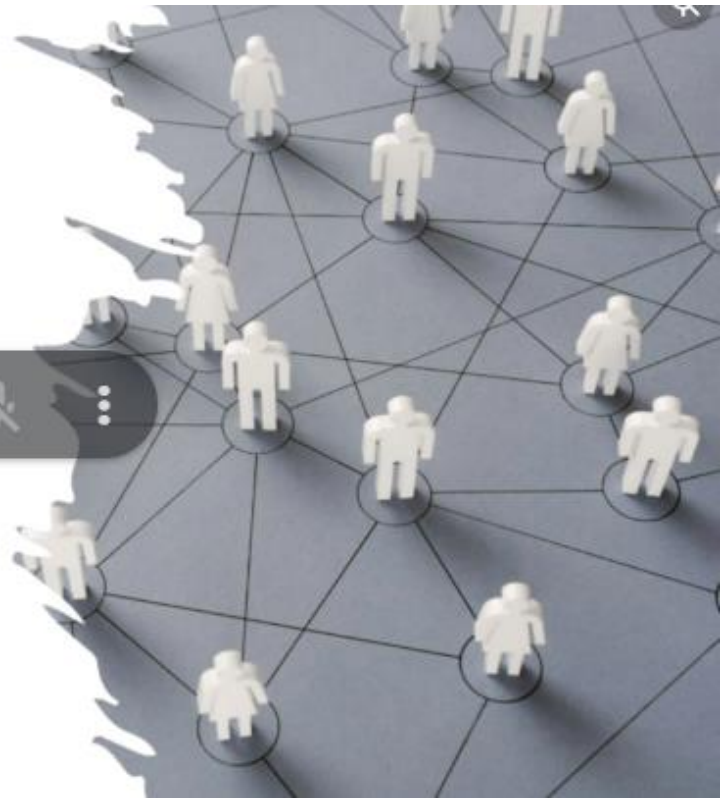
# *Cryptojacking*

- is the unauthorized use of someone else's computer resources to mine cryptocurrency, typically without the owner's knowledge or consent
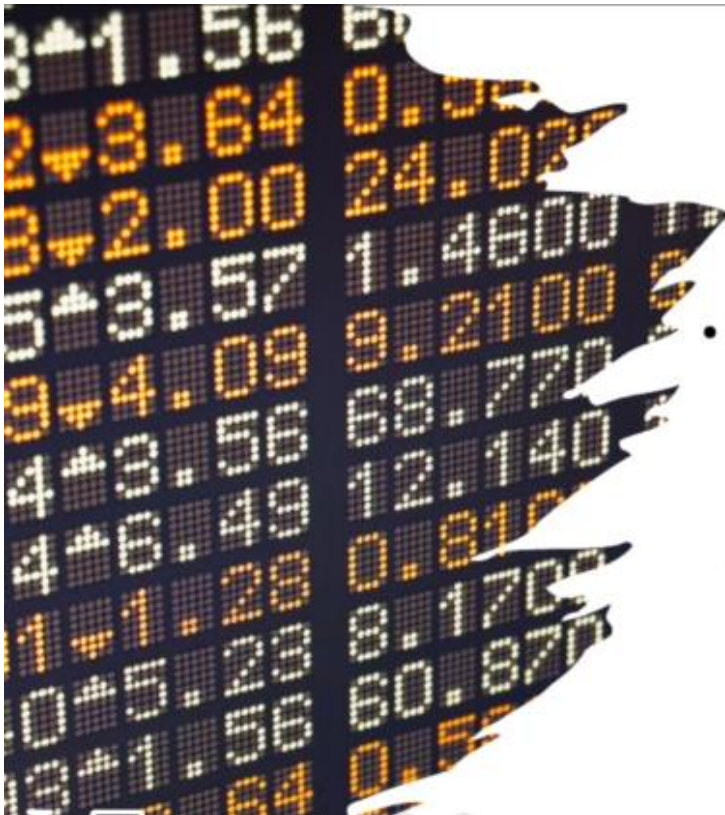
# Zero-Day Exploit

- targets vulnerabilities in software or hardware that are unknown to the vendor or developer.

- pose a significant threat because they can bypass traditional security measures, potentially leading to data breaches, system compromises, or other security incidents.

# Watering Hole Attack

- attackers target websites frequented by a specific group of users, such as employees of a particular company or members of an organization.

# Types of Cyber Attack

| | | | |
|---|---|---|---|
| Malware Attack ✓ | Phishing Attack ✓ | Password Attack ✓ | Man-in-the-Middle Attack ✓ |
| SQL Injection Attack ✓ | Denial-of-Service Attack ✓ | Insider Threat ✓ | Cryptojacking ✓ |
| | Zero-Day-Exploit ✓ | Watering Hole Attack ✓ | — AI |