

Forms of Computer Crime

Malicious programs:

Include viruses, worms, and Trojan horses

DoS:

Causes computer systems to slow down or stop

Rogue Wi-Fi :

hotspots Imitate legitimate WFi hotspot in order to capture personal information

Data manipulation:

Involves changing data or leaving prank messages

Identity theft :

Is illegal assumption of a person's identity for economic gain

Internet scams:

Are scams over the Internet usually initiated by e-mail and involving phishing

Cyberbullying:

s using the Internet, smartphones, or other devices to send/post content intended to hurt or embarrass another person

Malicious Programs - Malware

3 most common programs ■

Viruses – migrate through networks and attach to different programs ■
Worms – fills the computer with selfreplicating information

Trojan horse – programs disguised as something else ■
□ **Zombies** are computers infected by a virus, worm, or Trojan Horse

Cyber Crime

□ Denial of Service ■

(DoS) attack attempts to slow down or stop a computer system or network by flooding it with requests for information or data

Rogue Wi-Fi hotspots Imitate free Wi-Fi networks and capture any and all information sent by the users to legitimate sites including usernames and passwords

Data manipulation □ Finding entry into someone's computer network and leaving a prankster's message

Internet Scams

Identity Theft ■

Illegal assumption of someone's identity for purpose of economic gain ■

Cyber-bullying Use of the Internet, cell phones, or other devices to send or post content intended to harm ■

Phishing Attempts to trick Internet users into thinking a fake but official-looking website is legitimate ■

Types of Internet Scams

Chain letter ■

Classic chain letter instructing recipient to send a nominal amount of money to each of five people on a list. The recipient removes the first name on the list, adds his or her name at the bottom, and mails the chain letter to five friends. This is also known as a pyramid scheme. Almost all chain letters are fraudulent and illegal

. Auction fraud ■

Merchandise is selected and payment is sent. Merchandise is never delivered

. vacation prize ■

"Free" vacation has been awarded. Upon arrival at vacation destination, the accommodations are dreadful but can be upgraded for a fee.

Advance fee loans ■

Guaranteed low-rate loans available to almost anyone. After applicant provides personal loan-related information, the loan is granted subject to payment of an "insurance fee."

Measures to Protect Computer Security

Principle measures to ensure ■ computer security

Restricting access ■

Encrypting data ■

Anticipating disasters

1 Physical security

2 Data security

3 Disaster recovery plan to Preventing data loss