جامعة الحمدانية /كلية التربية

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Fourth Class

Data Security

أستاذ المادة:

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Computer Crimes

➢**Security Mechanism/ Types of Security Mechanism**

➢**Computer Crimes**

➢**Types of computer crimes**

➢**Examples of computer crimes**

➢**Homework**

CONTENTS

Network Security Mechanisms

- **A process (or a device incorporating such a process)**

- **Feature designed to detect, prevent, or recover from a security attack**

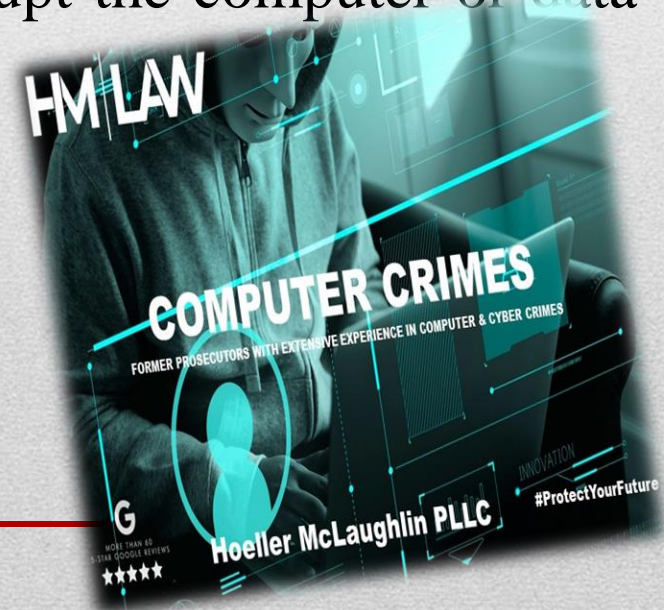- **no single mechanism that will support all services required**

- **Cryptographic techniques**

- **Encryption algorithms**

- **Firewall**

- **Alternatives**

Types of Security Mechanism

➤ Alternatively referred to as cyber crime, e-crime, electronic crime, or hi-tech crime. Computer crime is an act performed by a knowledgeable computer user, sometimes referred to as a hacker that illegally browses or steals a company's or individual's private information.

➤ In some cases, this person or group of individuals may be malicious and destroy or otherwise corrupt the computer or data files.

Computer Crimes

- **Viruses**
- **Tapping**
- **Impersonation**
- **Fraud**

Types of computer crimes

Examples of computer crimes

➢ **Copyright violation** - Stealing or using another person's Copyrighted material without permission.

➢ **Cracking** - Breaking or deciphering codes designed to protect data.

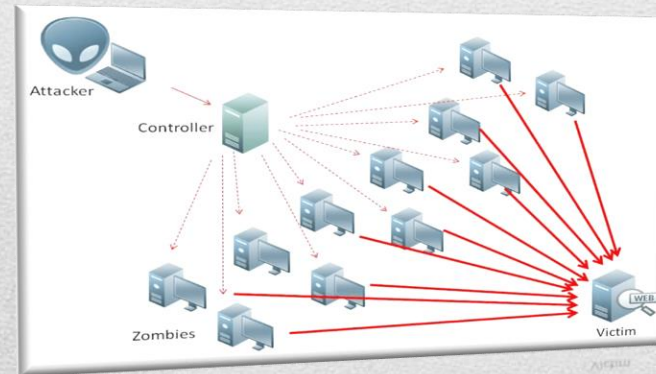➢ **Hacking:** threats, and blackmailing towards a business or person.

➢ **Cyberstalking** - Harassing or stalking others online.

• **Denial of Service attack** - Overloading a system with so many requests

➢ **Creating Malware** - Writing, creating, or distributing malware (e.g., viruses and spyware.)

Examples of computer crimes

- **Doxing** - Releasing another person's personal information without their permission.

- **Espionage** - Spying on a person or business.

- **Fraud** - Manipulating data, e.g., changing banking records to transfer money to an account or participating in credit card fraud.

Examples of computer crimes

- **Scam** - Tricking people into believing something that is not true.

- **Software piracy** - Copying, distributing, or using software that was not purchased by the user of the software.

- **Spamming** - Distributed unsolicited e-mail to dozens or hundreds of different addresses.

Examples of computer crimes

- # Homework

Ways of preventing computer crime ?

Next lecture
Information System Security Classification

شكرا لاصغاءكم