

COMSATS University Islamabad Sahiwal Campus
Department of Computer Science

Program Name: FA19-BCS-B

Course Title: Professional Practices for IT

Topic: copyrights, plagiarism, intellectual property, and Hacking

Quiz Date: 17-06-2021
Time: 60 mins

Quiz #: 04

Reg # FA17-BCS-090

Name: Usama Sarwar

Copyrights

Copyright is "a form of protection provided by a government to the authors of 'original works of authorship,' including literary, dramatic, musical, artistic, and certain other intellectual works. This protection is available to both published and unpublished works."

Copyright is a type of intellectual property that gives its owner the exclusive right to make copies of a creative work, usually for a limited time. The creative work may be in a literary, artistic, educational, or musical form.

Types of Copyright

1. Public Performing Right
2. Public Performance License
3. Reproduction Right
4. Mechanical License
5. Synchronization License
6. Digital Performance Right in Sound Recordings

Plagiarism

Many people think of plagiarism as copying another's work or borrowing someone else's original ideas. But terms like "copying" and "borrowing" can disguise the seriousness of the offense:

The word plagiarism has come from the Latin word 'plagiarius,' which means to kidnap. As the plagiarism definition suggests, when someone uses the work of another artist without properly citing the source or giving credit, then that will be an instance of plagiarism. Plagiarism is a punishable offense, and it is a form of intellectual theft.

Plagiarism is passing off someone else's work, whether intentionally or unintentionally, as your own for your own benefit.

Plagiarism includes:

- Using a direct quote without referencing
- Using someone else's ideas or words without referencing
- Paraphrasing work by only changing a few words
- Using lecture/tutorial notes without referencing.

Intellectual property

Intellectual property is a category of property that includes intangible creations of the human intellect. There are many types of intellectual property, and some countries recognize more than others. The most well-known types are copyrights, patents, trademarks, and trade secrets. Intellectual property protection is critical to fostering innovation. Without protection of ideas, businesses and individuals would not reap the full benefits of their inventions and would focus less on research and development. There are three primary types of Intellectual Property: copyrights, trademarks, and patents. A copyright is a legal term that is used to describe a person's ownership rights to an original expression of creativity.

Four types of intellectual property rights

1. Trade Secrets
2. Trademarks
3. Copyrights
4. Patents

Types of Hacking

Hacking

Hacking is an attempt to exploit a computer system or a private network inside a computer. Simply put, it is the unauthorized access to or control over computer network security systems for some illicit purpose. They can destroy, steal, or even prevent authorized users from accessing the system.

Types

1. White Hat Hackers
2. Black Hat Hackers
3. Gray Hat Hackers
4. Script Kiddies
5. Green Hat Hackers
6. Blue Hat Hackers
7. Red Hat Hackers
8. State/Nation Sponsored Hackers
9. Hacktivist
10. Malicious insider or Whistleblower
11. Social Engineering & Phishing. Social engineering is an attempt to get you to share personal information, usually by impersonating a trusted source.
12. Malware-Injecting Devices
13. Missing Security Patches
14. Cracking Passwords
15. Distributed Denial-of-Service (DDoS)