



DO COMPUTER ETHICS EXIST?

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What is a Hacker?

- A Hacker is a person who enjoys learning the details of computer systems and how to stretch their capabilities—as opposed to most users of computers, who prefer to learn only the minimum amount necessary.
- One who programs enthusiastically or who enjoys programming rather than just theorizing about programming

What is a Hacker?

- Recently, *hacker* has taken on a new meaning:
 - *Someone who maliciously* breaks into systems for personal gain. Technically, these criminals are *crackers (criminal hackers)*.
 - *Crackers break into (crack) systems with* malicious intent. They are out for personal gain: fame, profit, and even revenge.
 - They modify, delete, and steal critical information, often making other people miserable.

What is a Hacker?

- Most people give *hacker* a *negative connotation*.
- Many malicious hackers claim that they don't cause damage but instead are altruistically helping others.
- Many malicious hackers are electronic thieves.
- Hackers go for almost any system they think they can compromise.
- Some prefer prestigious, well-protected systems, but hacking into anyone's system increases their status in hacker circles

What is Ethical Hacking?

- Ethical hacking also known as *penetration testing* or *white-hat hacking* involves the same tools, tricks, and techniques that hackers use, but with one major difference: Ethical hacking is legal.
- Ethical hacking is performed with the target's permission.
- The intent of ethical hacking is to discover vulnerabilities from a hacker's viewpoint so systems can be better secured.

What is Ethical Hacking?

- It's part of an overall information risk management program that allows for ongoing security improvements.
- Ethical hacking can also ensure that vendors' claims about the security of their products are legitimate.

Ethical Hacking Commandments

- Working ethically
 - Everything done as an ethical hacker must be aboveboard and must support the company's goals. No hidden agendas are allowed
- Respecting privacy
 - All information obtained during testing from Web-application log files to clear-text passwords must be kept private.
 - Don't use this information to snoop into confidential corporate information or private lives.
 - If there's a problem, consider sharing that information with the appropriate manager.
- Involve others in the process
 - This is a "watch the watcher" system that can build trust and support your ethical hacking projects.

Can Hacking Be Ethical?

- Technology is a continually growing presence in our lives
- With this growing influence, it is beginning to affect emotions such as trust
- Who Makes the Rules?

Questions?

Sources

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