UUT PHSHIC 222 KEYLOGGER Secret of pro hackers:

EAT

SLEEP

HACK

REPEAT

Cool isn't it????

What is Hacking?

Hacking generally refers to unauthorized intrusion into a computer or a network.

<In other words>

Hacking is identifying weakness in computer systems or networks to exploit its weaknesses to gain access.

Who is a Hacker?

Hackers are intelligent individuals who spends most of time exploring computing resources like networks, websites, mobile devices etc.

What is Ethical Hacking?

Ethical Hacking is identifying weakness in computer systems and/or computer networks and coming up with countermeasures that protect the weaknesses.

Who is an Ethical Hacker?

Ethical Hacker is a Computer and Network Expert, who tries to find out potential vulnerabilities on the target systems before a hacker could use, without actually doing any harm to the information systems on behalf of the owners of the IT Assets.

Another one got caught today, it's all over the papers. "Teenager Arrested in Computer Crime Scandal",
"Hacker Arrested after Bank Tampering"...

But did you, in your three-piece psychology and 1950's technobrain, ever take a look behind the eyes of the hacker?

Did you ever wonder what made him tick, what forces shaped him, what may have molded him

I am a hacker, enter my world...

Mine is a world that begins with school... I'm smarter than most of the other kids, this crap they teach Us bores me...

'm in junior high or high school. I've listened to teachers explain for the fifteenth time how to "" They've all alike.

educe a fraction. I understand it. "No, Ms. Smith, I didn't show my work. I did it in my head..." They've all alike.

made a discovery today. I found a computer, wait a second, this is coal. It does what I want it to. If it makes a mistake, it's

made a discovery today. I found a computer, wait a second, this is cool. It does what I want it to. If it makes a mistake, it's secause I screwed it up. Not because it doesn't like me... Damm kid. And then it happened... a door opened to a

W²H in **ETHICAL** Hacking!

I know everyone here... even if I've never met (What, Why, How) and is found."This is it... this is may never hear from them again... I know you a (What, Why, How) and is found."This is it... this is

They're all alike...

of meat that you did let slip through were pre-chewed and tasteless. We've been dominated by sadists, or ignored by the apathetic. The few that had something to teach found u willing pupils, but those few are like drops of water in the desert. This is our world now... the world of the electron and the switch, the beauty of the baud we make use of a service already existing without paying for what could be dirt-cheap if it wasn't run by profiteering gluttons, and you call us criminals. We exist without skin color, without nationality, without religious bias... and you call us criminals. You build atomic bombs, you wage wars, you murder, cheat, and lie to us and try to make us believe it's for our own good, yet we're the criminals.

My crime is that of curiosity. My crime is that of judging people by what they say and think, not what they look lik

My crime is that of **outsmarting you**, something that you will never forgive me for a man a hacker, and this is my manifesto.

ou may stop this individual, but you can't stop us all... after all, We re all allke.

What? What you'll learn in Ethical Hacking? What happens if we don't secure our PC?

Why?

Why should we practice Ethical Hacking? Why should we Secure our information?

How?

How to perform a Hack? How to secure our PC?

W 1

What we'll learn in this course?

What is Ethical hacking?

Why is Ethical Hacking necessary?

How to hack into a system or a network which is vulnerable?

What happens if we don't secure our PC?

You'll be a victim of bad things that happen in the digital world... 🕾



What your friends think once you complete this course



Why is Ethical Hacking necessary?

To crack a hacker you need to think like a hacker!!

For an attack there should be a counter attack! When your PC is under attack you should be able to counter that attack and protect your information, this is the basic necessity of Ethical Hacking.

- ✓ To Prevent hackers from gaining access to information breaches.
- ✓ To fight against terrorism and national security breaches.
- ✓ To build a system that avoids hackers from penetrating.
- ✓ To test if organization's security settings are in fact secure.

Why should we protect our information?

As we know information is wealth in present day scenario!!

Details of Credit card numbers stored in your electronic devices.

Details of Bank Account stored in your electronic devices.

Your personal information related job or personal life store on your electronic

devices will be at stake if you don't protect your information.

How to Hack into a System?

How to Secure our Information?

In the course.....

Terminology

Vulnerability: In simple words, a vulnerability is loop hole, Limitation, or weakness that becomes a source for an attacker to enter into the system.

Exploit: It is a software tool designed to take advantage of a flaw(vulnerability) in a computer system, typically for malicious purposes such as installing malware or cause denial of service.

Payload: A payload is an action or set of action has to be done on the target, once the exploit successfully launched. It can be any kind of control, or Denial of service etc.

What are the steps to perform a Hack?

Information Gathering

Scanning

Gaining Access

Maintaining Access

Clearing Tracks/ Reporting

What is Information Security

Information security, sometimes shortened to InfoSec, is the practice of preventing unauthorized access, (use, disclosure, disruption, modification, inspection, recording or destruction of information).

Information security's primary focus is the balanced protection of the confidentiality, integrity and availability of data (also known as the CIA triad) while maintaining a focus on efficient policy implementation, all without hampering organization productivity.

Mode	VM → Host	HOST → VM	$VM1 \leftarrow \rightarrow VM2$	VM→ NET/LAN	NET/LAN→VM
Host-Only	✓	✓	✓	×	×
Internal	*	×	✓	×	×
Bridged	✓	✓	✓	✓	✓
NAT	✓	Port Forward	×	✓	Port Forward
Nat Network	✓	Port Forward	✓	✓	Port Forward