



About Codefrux

While the current trends around the world are based on the internet, mobile and its applications, we try to make the most out of it. As for us, we are a well established IT professionals based in Bangalore, constantly coping up with the extensive advancement and adapting to new Technology. Since the start of the company in 2010, our niches are Mobile Application Development, Web Application Development, Staffing Services and Training Programs (includes Corporate Training).

What you will Learn In This Course

- Learn from the basics of Ethical Hacking
- Learn to use Backtrack (Linux based Penetration Testing OS)
- Live demonstrations of Various hacking tricks

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Day 1 (Session 1)

Ethics and Hacking

- Hacking History- How It All Began
- Need For Ethical Hacking
- Why We Require Ethical Hackers
- Types Of Hackers
- Steps In Ethical Hacking
- Scopes In Hacking

Windows Hacking

- To exploit the vulnerabilities of windows using live devices and Universal Serial Bus (USB).

Steganography

- What is Steganography?
- Hiding data behind Images, PDFs, Audio and Videos files

Day 1 (Session 2)

Basics Of Internet, Networking And Hacking

- What is a Network?
- Types of network – LANs, WANs & WLANs
- What is Internet?
- Basic Structure
- What is a Server?
- What is an IP Address?
- What is a domain name?
- IP-Domain Relation
- Client-Server Relationship Model
- Internet networking
- Set up Ad-hoc networks

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- Basic explanation of exploitation of loopholes

SQL Injection Using DVWA

- Introduction of SQL
- What are SQL INJECTION and DVWA?
- Checking SQL injection vulnerability (Demo)
- Basic strategy of SQL injection (Demo)
- Getting login credentials using SQL injections (Live Demo)
- URL and Forms (Demo)
- SQL Query SELECT, DROP etc. (Demo)
- SQL cheat sheets (Demo)
- Using source changes to bypass client side validation (Demo)
- Live demonstration of the attack (Demo)
- Using SQL injection tools (Demo)
- How to protect your system from attacks

Day 2 (Session 3)

Man In The Middle Attack(MITM)

- What is Backtrack Linux?
- What is Man-in-the-middle attack?
- Preparation for Man-in-the-middle attack (Demo)
- Setting Ettercap tool for the attack (Demo)
- Identifying victim (Demo)
- Countermeasures against MITM attack (Demo)

Phishing, Trojan, Worms And Viruses

- What is phishing?
- Preparation for phishing
- Introduction to the concepts of Trojans, worms and viruses



Day 2 (Session 4)

Email FORGING AND CYBER LAWS

- What is Email Forging?
- How to generate a Fake Mail?
- How to detect a fake Email?
- Introduction to cyber laws
- IT Acts, Rules and Regulation