

CYBER SECURITY



TOPSTECHNOLOGIES

Training | Outsourcing | Placement | Study Abroad



ABOUT US

- Dynamic, rapidly growing, IT Software Development Company
- Develop outsourcing projects in Microsoft, SUN, Open Source and Digital Marketing
- Provides **Training & Placements** in .NET, PHP, Software Testing, Digital Marketing, Java and Spring , IOS ,Android ,web and Graphics Designing , Networking
- Management team with over 10 years of US Experience working for Banks and Consulting Companies



TRAINING & PLACEMENT

**BETTER EDUCATION
BETTER JOBS**

**18+ Courses
Offered**

**19+ Our
Offices**

**2000+Company Tie
Ups
For Placements**

**Job
Guarantee**

**Job
Satisfaction**

**50000+
Students
Trained**

OUTSOURCING

We Are Versatile

Our Developers Work On Varied Technology Platforms And Frameworks

				
Joomla	WordPress	Drupal	Magento	PHP
				
Windows	HTML5	Microsoft .Net	iOS	Android



CONTENT

- Cyber Security
- What is Cyber Security and Ethical Hacking
- What is Defensive Security and Offensive Security
- What is Cyber Crime in Cyber Security
- Malware
- Email Hacking
- Website hacks
- Requirements of Cyber Security
- Career in Cyber Security

Cyber Security and Ethical Hacking

Cyber security or information technology security are the techniques of protecting computers, networks, programs and data from unauthorized access or attacks

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

Ethical hacking – defined “methodology adopted by ethical hackers to discover the harmed existing in information systems’ of operating environments.”



Cyber Security and Ethical Hacking

Cyber security or information technology security are the techniques of protecting computers, networks, programs and data from unauthorized access or attacks

Defensive Security on the other hand, refers to protecting computer systems and networks from attack by identifying and mitigating vulnerabilities and implementing measures to prevent or detect unauthorized access or activity.

Offensive security is the proactive approach to securing networks and systems from attacks by actively seeking out vulnerabilities and weaknesses.

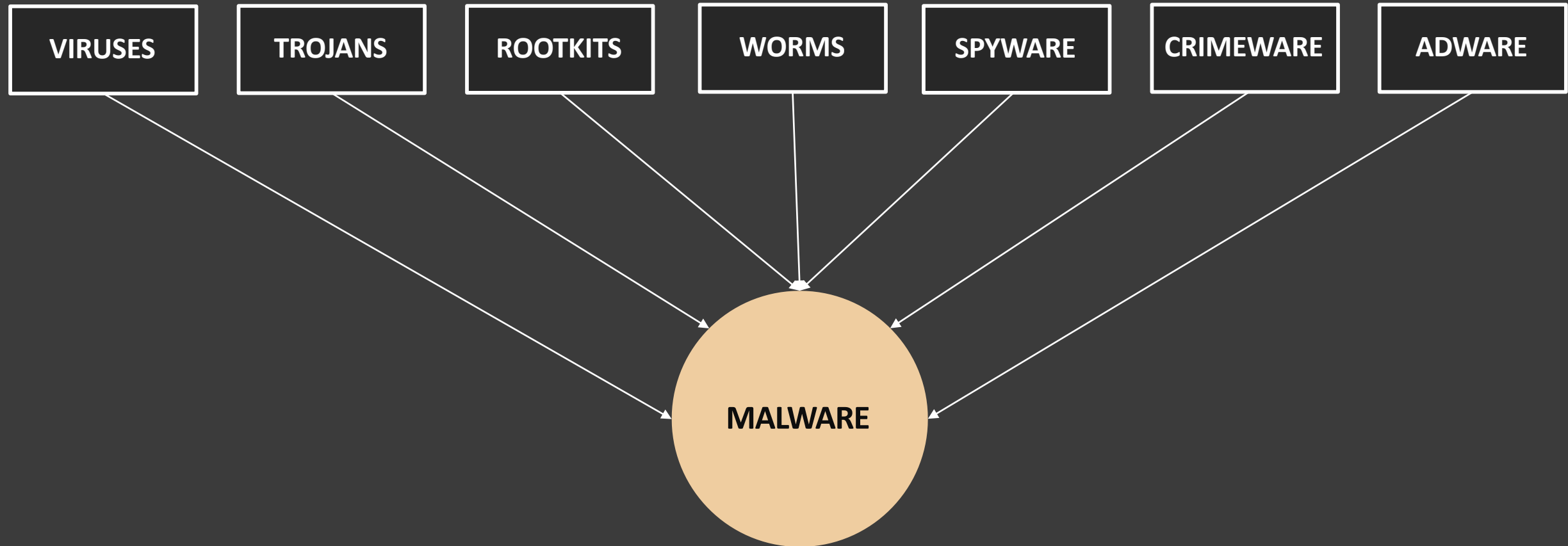


Cyber Crime

Cybercrime is criminal activity that either targets or uses a computer, a computer network or a networked device.



MALWARE



PRACTICAL : CREATE LOOPING VIRUS USING BATCH

Step 1 : Open Notepad.

Step 2 : Write The Following Code Into The Notepad File.

Start Cmd

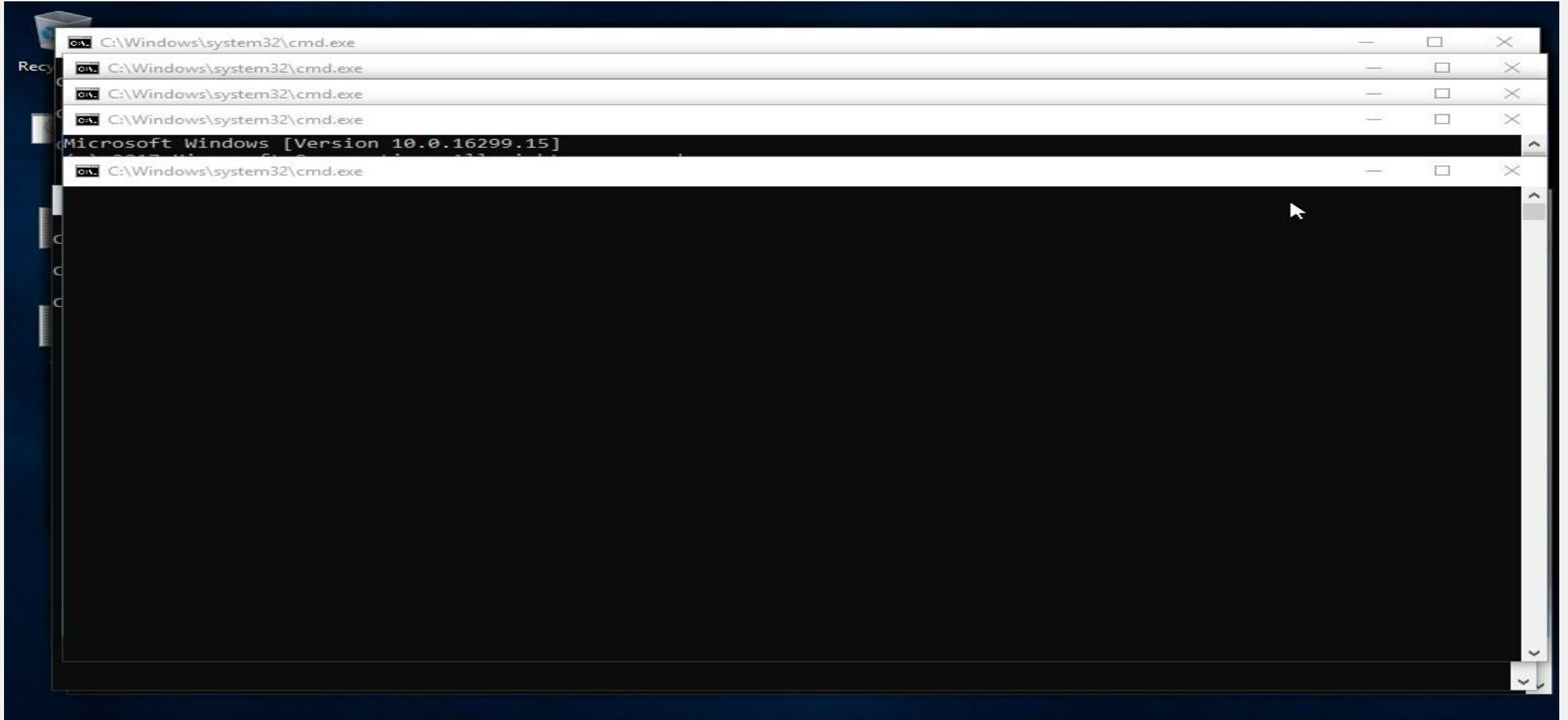
Start Test.Bat

Step 3 : Save This File As A Test.Bat.

Step 4 : Now Its Time To Run The File.



OUTPUT



EMAIL SECURITY THREATS

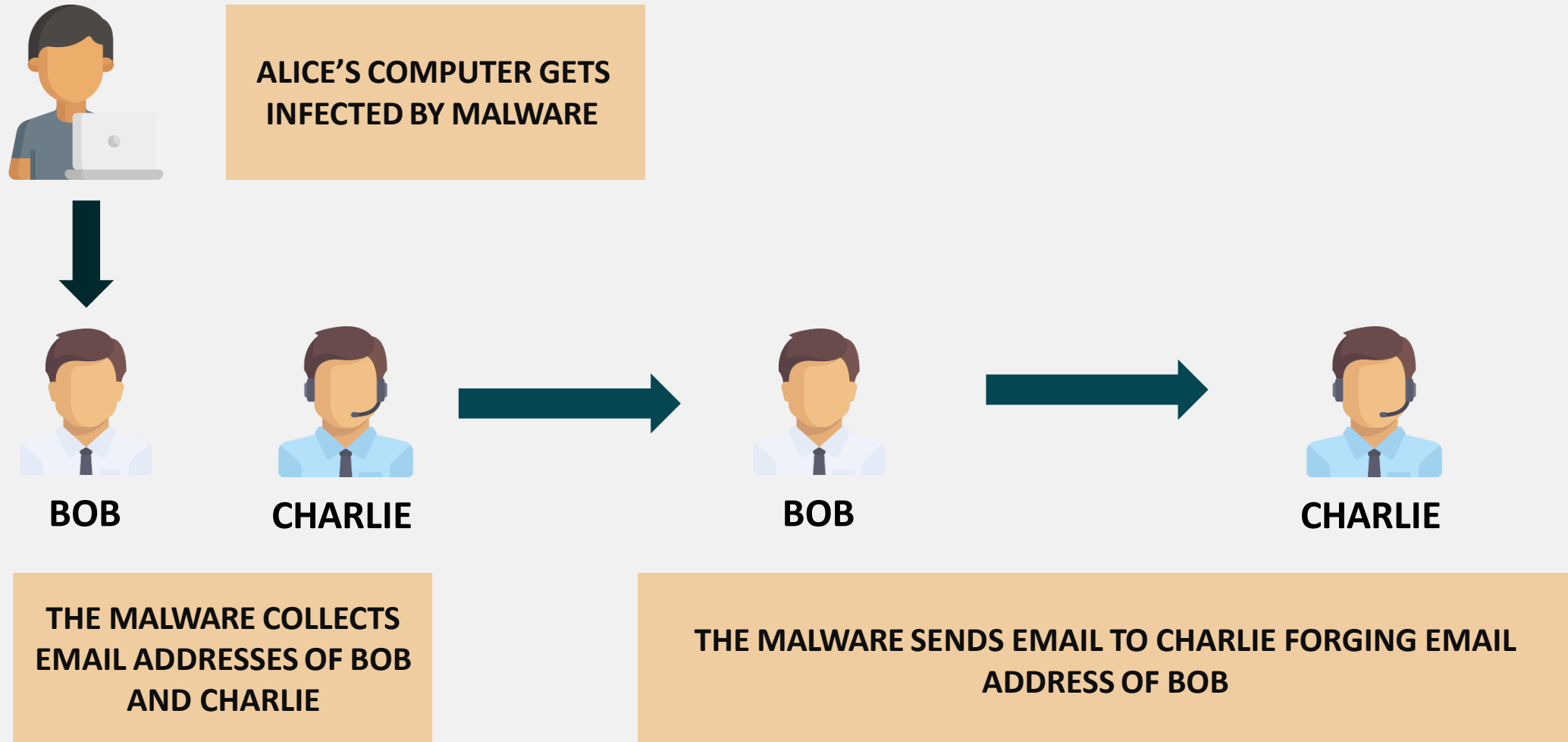
MALICIOUS EMAIL ATTACHMENTS

PHISHING

SPAMMING

MALICIOUS USER REDIRECTION

PRACTICAL: EMAIL SPOOFING ATTACK



WEBSITE HACKING

SQL INJECTION

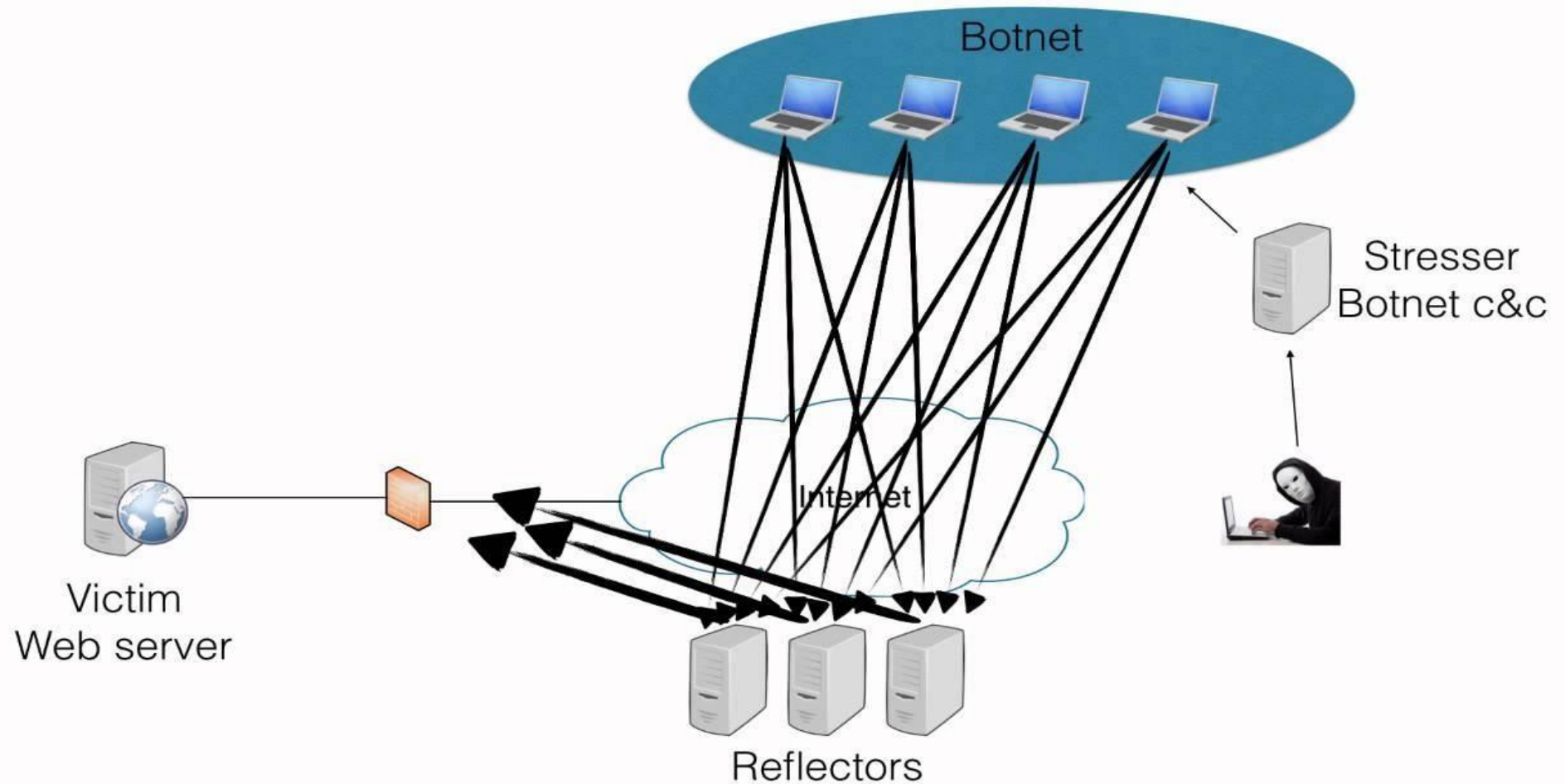
CROSS-SITE SCRIPTING

SECRET
INFORMATION

ACCESS 59%

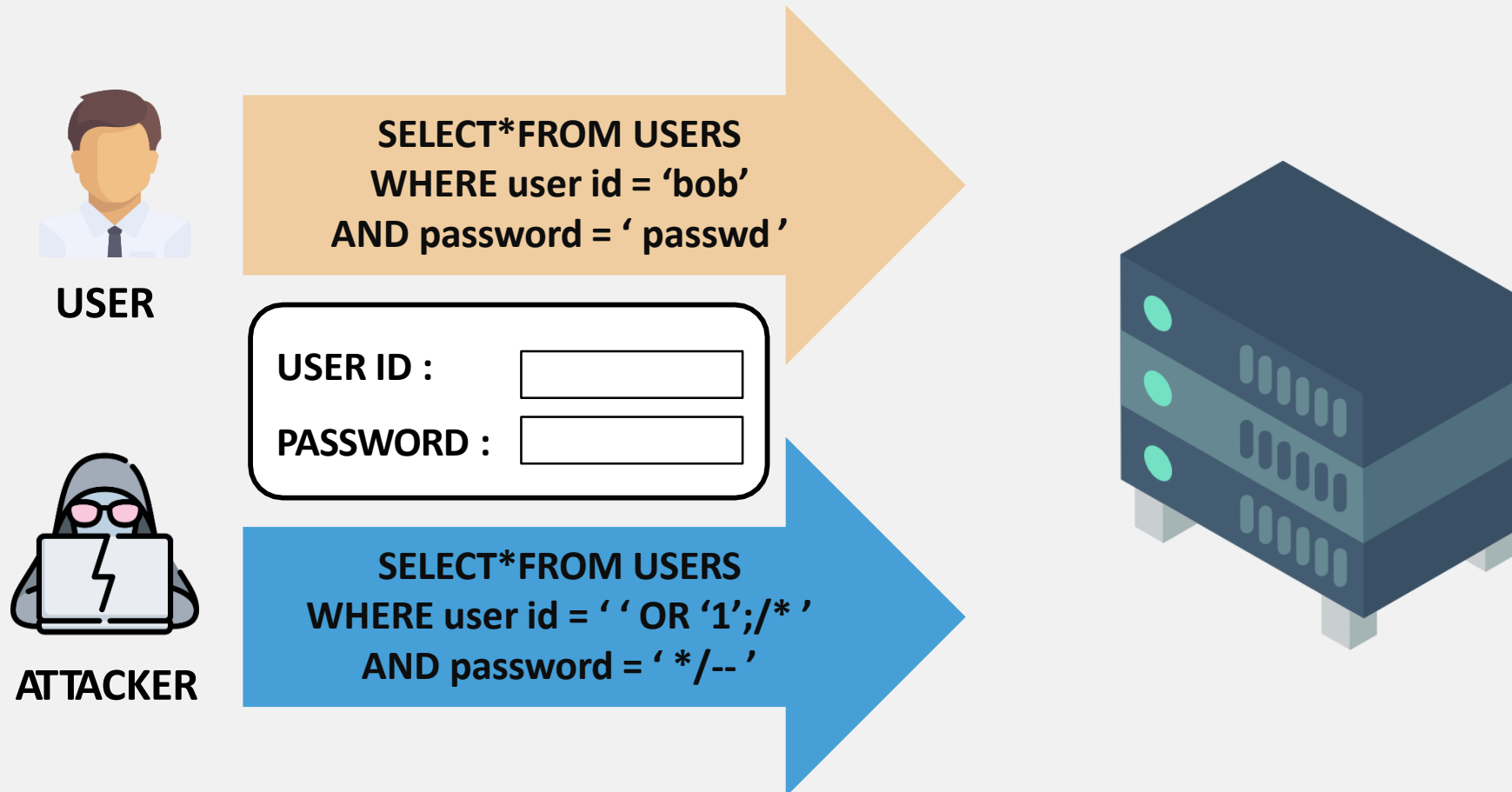
DOS ATTACK

DOS ATTACK



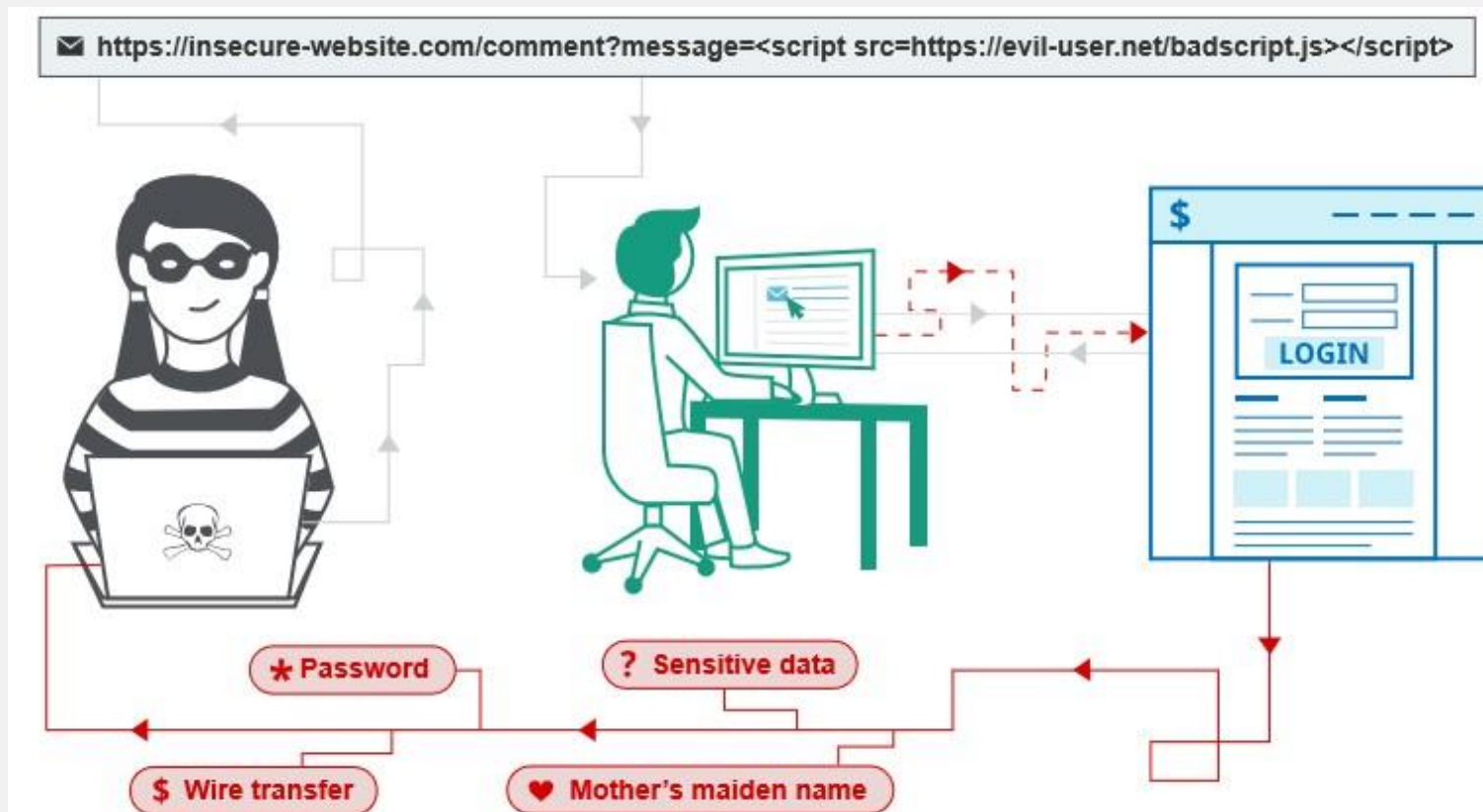
SQL INJECTION

SQL injection is a security vulnerability that occurs in the database layer of an application.



CROSS SITE SCRIPTING

Malicious code can secretly gather sensitive data from user while using authentic website (login, password, cookie)



REQUIRED SKILLS OF AN CYBER SECURITY

Routers: knowledge of routers, routing protocols, and access control lists.

Microsoft: skills in operation, configuration and management.

Linux: knowledge of Linux/Unix; security setting, configuration, and services.

Firewalls: configurations, and operation of intrusion detection systems..

Network Protocols: TCP/IP; how they function and can be manipulated.

Project Management: knowledge of leading, planning, organizing, and controlling a penetration testing team.

Cyber Security JOBS

- Ethical Hacker
- Security specialist
- Penetration Tester
- Network Security Specialist
- IT Security Consultant
- Security Engineer
- Security Administrator
- IT Auditor
- Computer Forensics Analyst



OUR SHORTLISTED STUDENTS



COMPANIES WHERE OUR PAST STUDENTS ARE WORKING

CONVERGYS
Outthinking. Outdoing.

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patni

Mphasis
an HP company

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CSC

WIPRO
Applying Thought

TATA

ZenSar
TECHNOLOGIES

MidTree

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Business-friendly Solutions

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Technologies
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SIEMENS
Honeywell

Cognizant Technology Solutions

Infosys
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DRIVEN BY VALUES

3i Infotech
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Capgemini
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i-flex solutions

Hexaware
TECHNOLOGIES
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1m Tech
Mahindra
IT Services and Telecom Solutions

PLANNING TO GO/SETTLE ABROAD?

TOPS OVERSEAS WILL HELP YOU FOR THE FOLLOWING:

- 1) Career Counseling for any country of interest (Australia, Canada, Newzeland , USA, Any European countries)
 - **Tie ups with colleges and universities across countries**
- 2) Help get better scores with IELTS/PTE/GMAT/GRE
- 3) One stop solution for learning all IT courses as well as getting ready for Overseas
- 4) Permanent Residency Options and counseling
- 5) Job opportunities Abroad

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Baroda Office (M) :- 9725355009

Nagpur Office (M) :- 9225221123



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A person wearing a black hoodie is sitting at a wooden desk, looking at a laptop. The laptop screen displays the text "THANK YOU" in large, white, bold, sans-serif capital letters. The background is a dark, gradient wall.

THANK YOU