



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name: Web And Mobile Security Lab

Subject Code: 20CSP-338

Submitted to: Renuka Ratten

Faculty name: Renuka Ratten

Submitted by: Pranjal Kumar

Name: Pranjal Kumar

UID: 20BCS3504

Section: 607

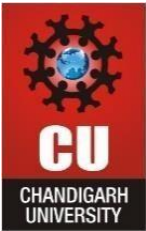
Group: B



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Ex. No	List of Experiments	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Date	Remarks/Signature
1.1	Open any website on computer system and identify http packet on monitoring tool like Wireshark.					19/08/22	
1.2	Design a method to simulate the HTML injections and cross-site scripting (XSS) to exploit the attackers.					28/08/22	
1.3	Implementation of Cross site request forgery (XSRF) attack.					16/09/22	
1.4	Implementation of Design methods to break authentication schemes (SQL Injection attack).					04/10/22	
2.1	Write a program to generate message digest for the given message using the SHA/MD5 algorithm and verify the integrity of message.					19/10/22	
2.2	Perform Penetration testing on a web application to gather information about the system (Foot Printing).					03/11/22	



Experiment 2.2

Student Name: Pranjal Kumar

UID: 20BS3504

Branch: CSE

Section/Group: 607-B

Semester: 5th

Date of Performance: 03/11/22

Subject Name: WMS Lab

Subject Code: CSP-338

AIM:

Perform Penetration testing on a web application to gather Information about the system (Foot Printing).

REQUIREMENTS:

- Windows 10
- Good Internet Connectivity

TOOLS TO BE USED:

- Ht-Track
- Any Demo website
- Active G-mail Account
- Whois IP Lookup website

THEORY:

Foot-printing means gathering information about a target system that can be used to execute a successful cyber-attack. To get this information, a hacker might use various methods with variant tools. This information is the first road for the hacker to crack a system.

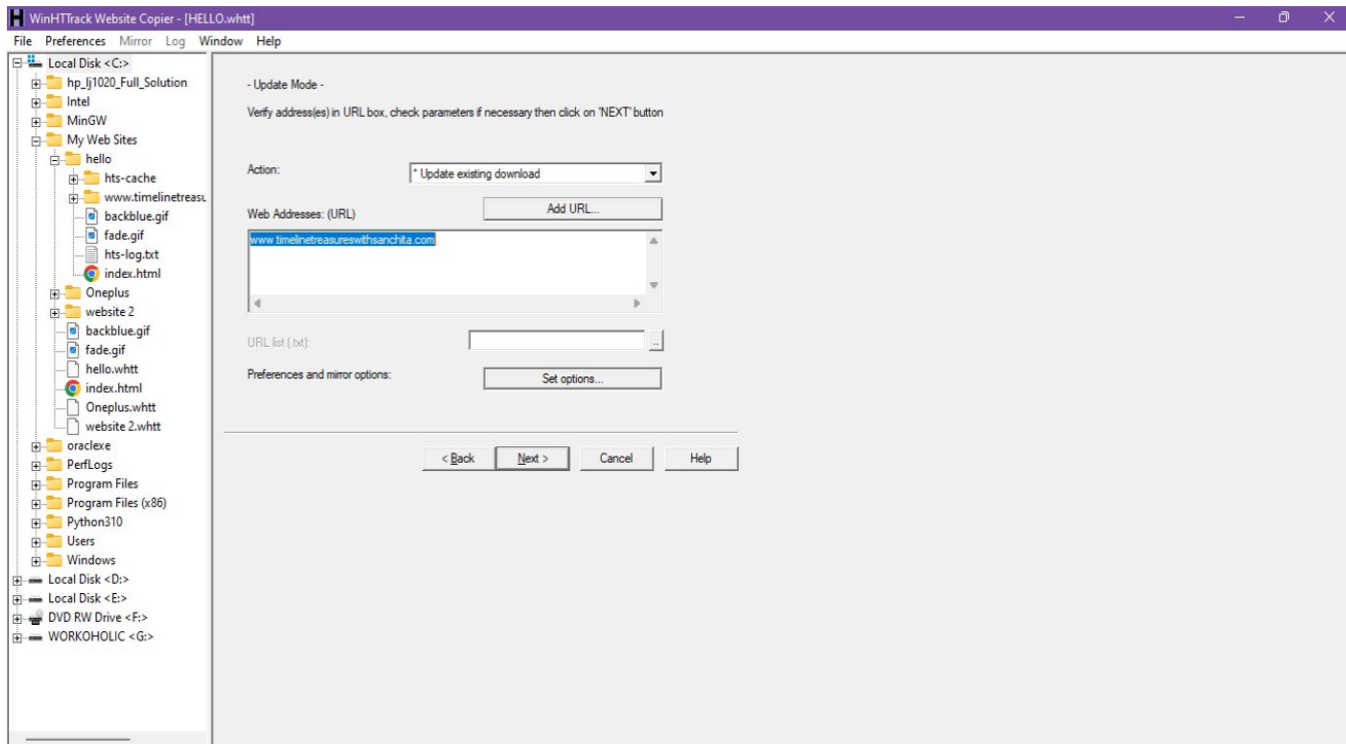
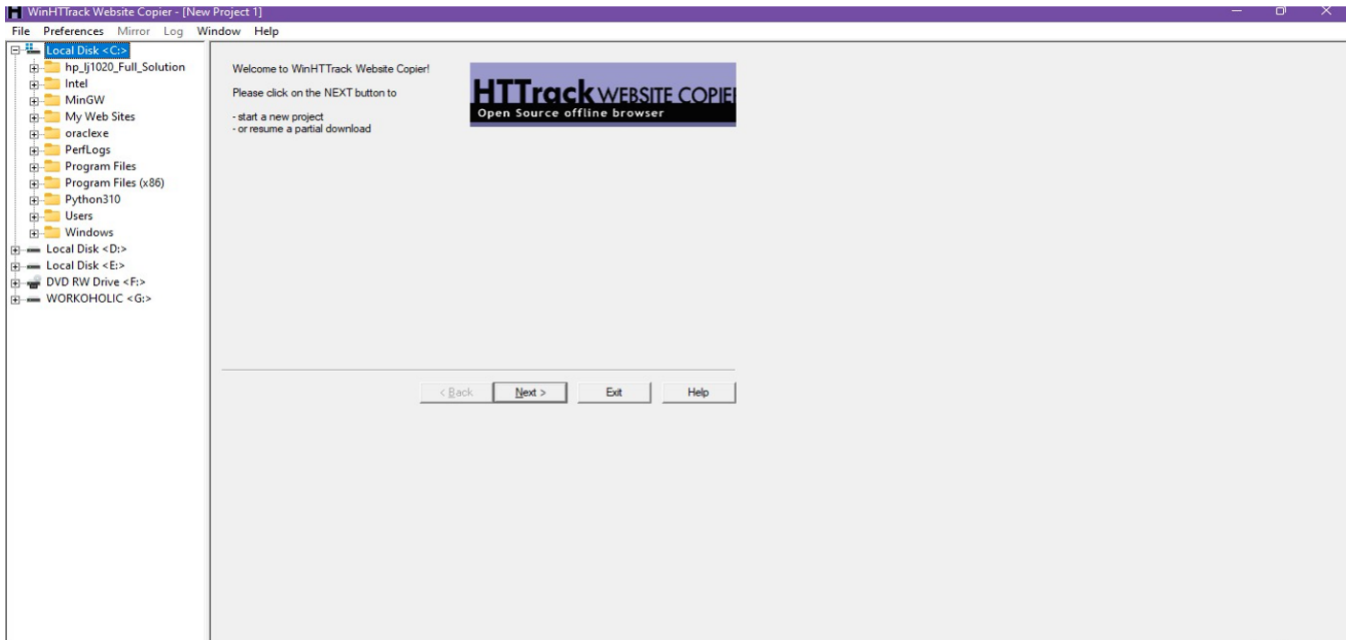
Different kinds of information that can be gathered from Footprinting are as follows:

1. The operating system of the target machine
2. Firewall
3. IP address
4. Network map
5. Security configurations of the target machine
6. Email id, password
7. Server configurations
8. URLs

STEPS and SNAPSHOTS:

WEBSITE FOOT-PRINTING (MIRRORING OF WEBSITE)

1. Go to Google and open Ht-Track link and download first link.
2. Install this tool and put URL of any demo website to copy the website.
3. To check the detail coding and web pages of copied website just go to the location where this tool is installed i.e. C-drive.



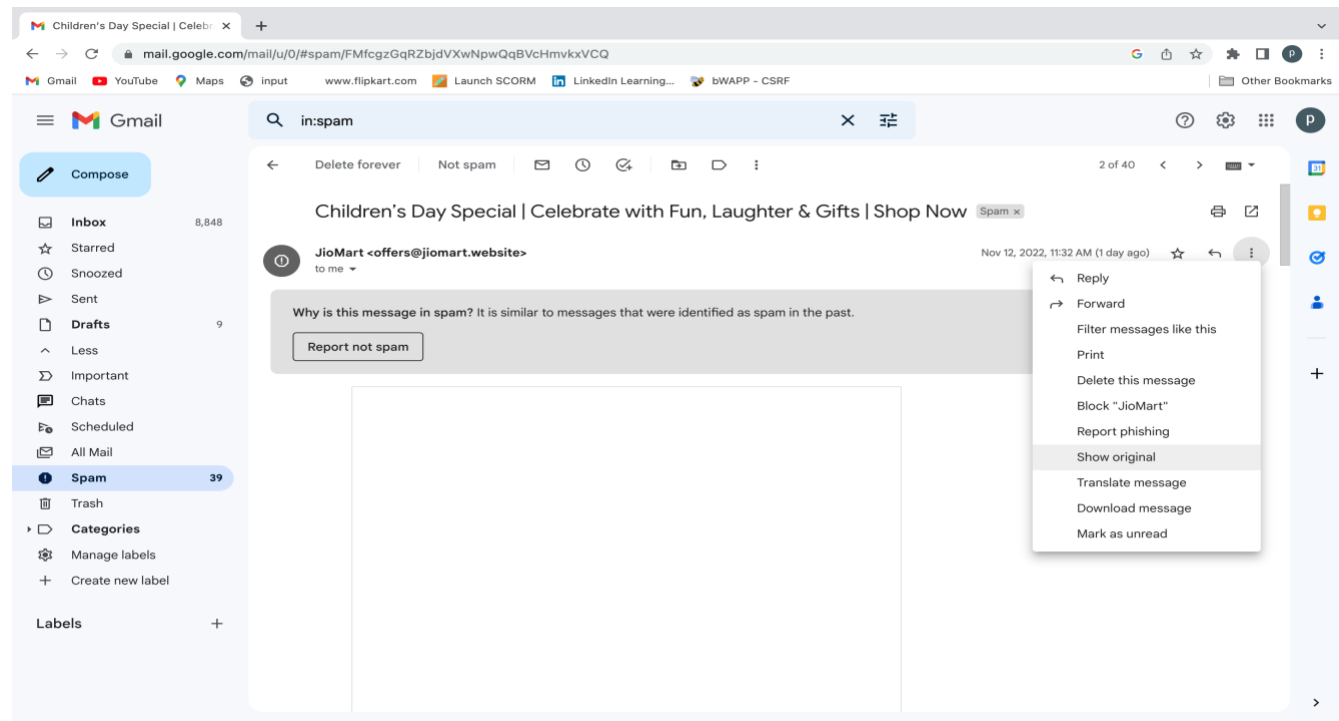
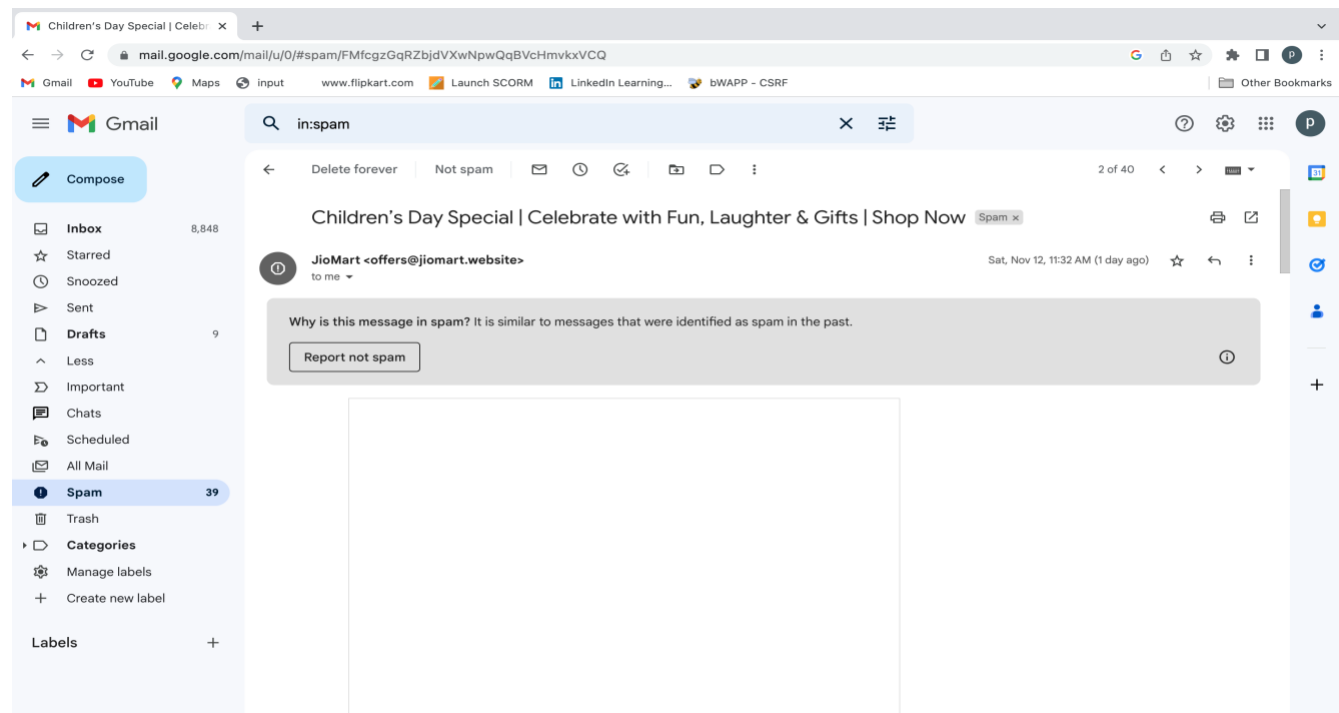


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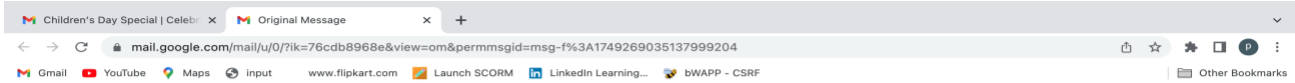
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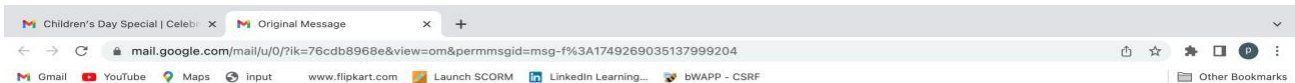
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To:	priyabharti0101@gmail.com
Subject:	Children's Day Special Celebrate with Fun, Laughter & Gifts Shop Now
SPF:	PASS with IP 103.57.17.13 Learn more
DKIM:	'PASS' with domain JioMart.website Learn more

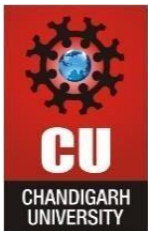
[Download Original](#)

[Copy to clipboard](#)

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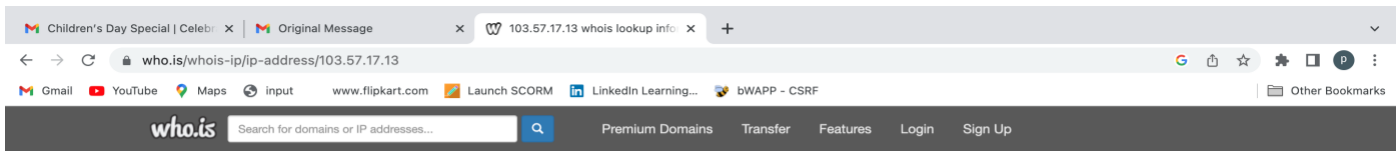


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103.57.17.13 address profile

Whois Diagnostics

IP Whois

NetRange: 103.0.0.0 - 103.255.255.255
CIDR: 103.0.0.0/8
NetName: APNIC-103
NetHandle: NET-103-0-0-1
Parent: ()
NetType: Allocated to APNIC
OriginAS:
Organization: Asia Pacific Network Information Centre (APNIC)
RegDate: 2011-01-09
Updated: 2011-02-10
Comment: This IP address range is not registered in the ARIN database.
Comment: For details, refer to the APNIC Whois Database via
Comment: WHOIS.APNIC.NET or http://wq.apnic.net/apnic-bin/whois.pl
Comment: ** IMPORTANT NOTE: APNIC is the Regional Internet Registry
Comment: for the Asia Pacific region. APNIC does not operate networks
Comment: using this IP address range and is not able to investigate
Comment: spam or abuse reports relating to these addresses. For more
Comment: help, refer to http://www.apnic.net/apnic-info/whois_search2/abuse-and-spamming
Ref: https://rdap.arin.net/registry/ip/103.0.0.0

ResourceLink: http://wq.apnic.net/whois-search/static/search.html
ResourceLink: whois.apnic.net

OrgName: Asia Pacific Network Information Centre
OrgId: APNIC
Address: PO Box 3646

who.is Search for domains or IP addresses... Premium Domains Transfer Features Login Sign Up

Comment: spam or abuse reports relating to these addresses. For more
Comment: help, refer to http://www.apnic.net/apnic-info/whois_search2/abuse-and-spamming
Ref: https://rdap.arin.net/registry/ip/103.0.0.0

ResourceLink: http://wq.apnic.net/whois-search/static/search.html
ResourceLink: whois.apnic.net

OrgName: Asia Pacific Network Information Centre
OrgId: APNIC
Address: PO Box 3646
City: South Brisbane
StateProv: QLD
PostalCode: 4101
Country: AU
RegDate:
Updated: 2012-01-24
Ref: https://rdap.arin.net/registry/entity/APNIC

ReferralServer: whois://whois.apnic.net
ResourceLink: http://wq.apnic.net/whois-search/static/search.html

OrgAbuseHandle: AWC12-ARIN
OrgAbuseName: APNIC Whois Contact
OrgAbusePhone: +61 7 3858 3188
OrgAbuseEmail: search-apnic-not-arin@apnic.net
OrgAbuseRef: https://rdap.arin.net/registry/entity/AWC12-ARIN

OrgTechHandle: AWC12-ARIN
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LEARNING OUTCOMES:

Finally, as a penetration tester, you should collect and log all vulnerabilities in the system. Don't ignore any scenario considering that it won't be executed by the end-users. If you are a penetration tester, please help our readers with your experience, tips, and sample test cases on how to perform Penetration Testing effectively.

Evaluation Grid :

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30