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CLASS: TYCS	DATE: 3/1/2024
Practical No.:	Topic: Ethical Hacking
Aimi- Google and Whois	Reconnaissance.
- Use Google search techn	relogice to gather intermation
about a specific torget	
· Utilize advanced sparch	operators to refine search
regults and access hidd	
	o retrieve domain registantica
information and gother	details about the torget's
inforectoucture.	
* Reconnaissance	
. In the redm of cyber	security, reconnaisconce reters
to the phase of an atta	cle where attacker gathers
information about a tox	get network, system or aga-
is a time This can include identitying potential vulnery	
bilities, mopping the ne	twork topology and under-
tanding the target's sec	unty measures. (yher
or the can be pe	rtormed anvery, moong
1. 1. like counting	and beoping or hazzinely
by analyzing publicly	available intermetion.
* Reconnaissance types:	1 1 1 1 1
· Artive Reconnaissance-	Involves directly interacting
ith the texaet to get	nex information of ten through
mino probing, e	ngagement or information.
Con 1	
	Page No. 1

· P	Page No.: _2
TOCCIOP	Reconnaissance:
Involves	Collecting information without direct interaction
1	methods such as monitoring observation, open-
Conxce	intelligence and convert operations.
* whois	is a query and responce protocol widely
used t	or querying databases the store the orgistered
users	or assignees of on internet recourse such
os a	domain name, on IP address black, or on
quitono	mas System number
The w	Mois system provides information about the
entities	that own as asp responsible for a posticular
desouve e	on the Internet
* Oamei	n Name i www.siesascn.edu.in
+ TP A	ddress 6- 65.108.27.161.
* 1 7	
	41,
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CLASS: TYCS	DATE: 3/1/24
Practical No.: 2 A	Topic :
Aim: - Parcusod Former	tion and cracking with Carptool
and lain and	thel
a) Passessord Encryption	and Decryption:
· Decrypt the eningle	parcuprde & verify the original value.
	Tresserved & State of the State
* Couptool	
· Cryptool is an ope	n-cource softwere project that
populdes a compreter	plying couptographic concepts
· (2. 1700) allows use	as to expresiment with different
couptographic algorith	me and gain hands on expensive
in a simulated env	ironment.
1 1 11	
* RC4 algorithm.	ic key ctream cipher designed by
h 1 10	107
. It generates a	precido - sandom - Key ctoram
based on an ini	precedo-sandom-key stream tice key, and this key stream
is combined with	Plaintext wing sus
produce ciphestext.	
	Page No. 3



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CLASS: TYCS	DATE: 8/1124
Practical No.: 2 B	Topic :
Aimis- Password Encryption	& creeding with Crypton
and Cain & Abel.	
By Parsword cracking on	d Wireless Network Posswood
Decading it - Vee coin	and Abel to pestroma
dictorary attack on Wind	new word using lain &
Abel's capabilities.	L page s
7 110-25 (4) 1771 171143	
* Dictionary Attack :-	
A le l'anne attack is	a type of cyberattack where
11 1 - Lower to	ally the
	Pm of ace
	rye set of words, phroces
notions of attack u	ces a predéfined list of
potential passwoods.	
1	
The dictionary attack	works:
is Password list.	
Automated Process.	
Torget Accounts	
in Success	
M	
	Page No. 4

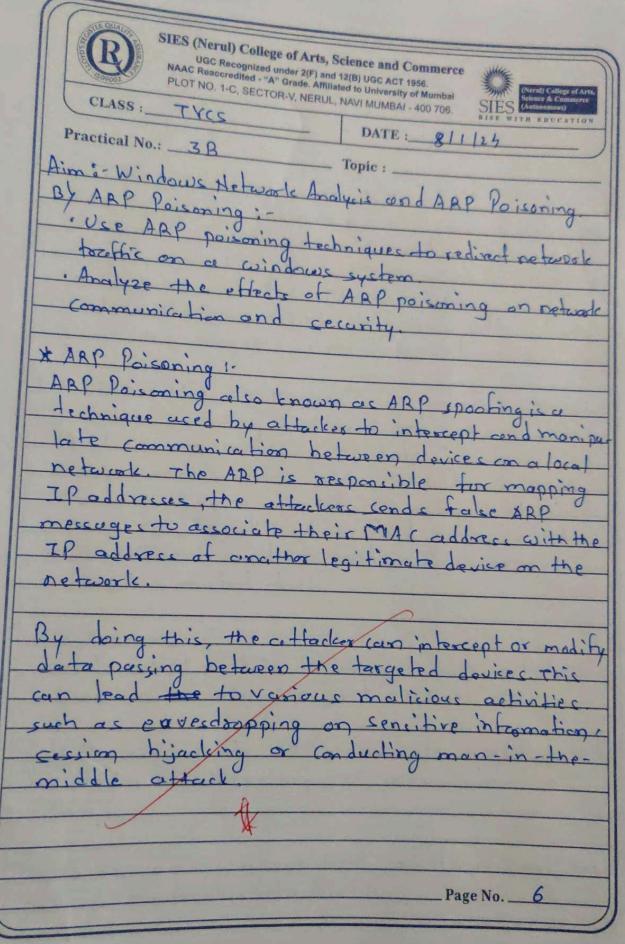


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PLOT NO. 1-C, SECTOR-V, NERUL, NAVI MUMBAI - 400 706. CLASS :\_\_ TYCS DATE: 5/1/24 Practical No.: \_ 3/ Topic: Command treele the route a the Cont Windows route that Page No. Computer.



K 12/V

K 13/V



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No.:	
Aima-Port si	Topic:
Aima-Post scanning with  . Use Mriap to postoom	MITAD.
if the postcom	an Ack III
· Use Mrap to perform	nfilh I determine
THETOTOM SYN, FINI ALLI	or open.
· Analyze the scan reall	XMAS scone to identify
· Analyze the	horacteristics /
about the tonget cycler	e neterode renices
* NMap:- Network Mapper	, , ,
Network & and	is a powetre open-source
7 100101110	LE Delos in ida l'L'
100	a computer not
thus creating a map of	the set of Cl
NMaen Can be allied	C. I twork streeture.
MMap can be utilized +	o had posts, detect
rainexabilities and best	orm rangus other
network - related task.	
TCD	
· Tcp scons-	
sende SYN packets to.	torget pats, establishing
connectors to determine po	out accessfilit
1 1 1 2	
UDP scon: sende UPP p	accepts to tenget parte to
assertain whether they a	re open closed or
Cilbal	
Filtered.	
Stealth scan: Otilizer SY	N parkets without com-
uting handchokes to pur	Page No. 7
whing honde house	rage No.

K 13/V

detection & determination post status. · Null cran: sends TCP Packets with no flage enabled to target parts analyzing responses to enter part status · FIN Cran :-Sends TCP packets with the FIN flag cet to target pasts interpreting responses to discern port accessibility. · X-mascan :sends TCP packets with multiple flags set, such as FIN, URG and PSH to evaluate target port responses. SIES (Nerul) College of Arts, Science and Commerce UGC Recognized under 2(F) and 12(B) of UGC ACT 1956. NAAC Reaccredited- "A" Grade. Affiliated to University of Mumbai



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CLASS: TYCS DATE: 5/2/24
Practical No.: 5 Topic:
Aim: - Network Traffic Capture.
· Use Wirecharle to capture network touthic on a
specific network interface.
· Analyze the corptured network touffic on a
= packets to extract relevant intormation
and identify potential security issues.
Wirechook :-
It is a widely used network protocol analyses. It
is a open-source too that allows you to capture
and interactively howere the touthe running on
a compater network in real-time.
Wirecharle is a poweful tool used by network administrator security professionals, developer,
and reseauschers to analyze and understound
hetwork tooffice
THE TOURS IS THE TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR
* HTTP:
1 1 2 Click on Context > Options > Select
fill Ethernet 2 > Start Capturing 7 Then I inimile it.
o Open Wirecharle / Circle of the Minimize it.  fill Ethernet 2 > Stort (apturing > Then Minimize it.  Type "Vulnueb login" in Google Choom > Signup >
Login > Minimum it.  Type "http. request. method = = "KFT" in Apply  Type "http. request. method = Ink > In Below teh
click on Hyper TEXT Protocol and Expandit.
click on 1910
Page No. 9

Now In the Apply filters type "Ittp. request. method  = "post" > Click on any link > Below text,  click on Hypertext Protocol > Expand it.
* FTP:  Open Wirechark > follow the steps and steet Capturing  Open Google > Speach for "Wirechark cample Captures >  Click on "Ctal F" > search for "FTPy" > click on "  FTP vol. (ap" > Speach for "FTPy" > click on "  Open Wirechark > Open the file "FTP vol. (ap"  from folder > Type: tep. request. and "in Apply  Filters > click on conglink > In Below tab.
open file Toonsfer Protocol (FTP) > Expandit
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CIACO SECTOR-V, NERUL, NAVI MUMBAI - 400 706. SIES (Autobiomous)
CLASS: TYCC DATE: 26/2/24
Practical No.: 6 Topic:
Aima-Persistant
Aim :- Persistent coors-site scripting Attack.
The property of the state of th
indifference compt to and ail
the state of the s
The consequences of the affect and
The potential risks accounted with
Xcs vulnerabilities.
_1 。
Theory:
A pereistent coos-cite scripting (xc.) attack iscohen
care is injected into a vulnerable web
application and stored permanantely on the center
This code is then send to ather users who visit
the page, potentially leading to various security
brakes like section hijacking or data theft.
To prevent such attacks, Levelopers should
implement input validation, output encoding
and regularly update their web applications.
and organisty opening appure home.
11 1 1 00-2 6-4 10-5 11 1-11
Here's how a persistent xes attack typically works
if Injection.
ii) storage.
ii'y Execution.
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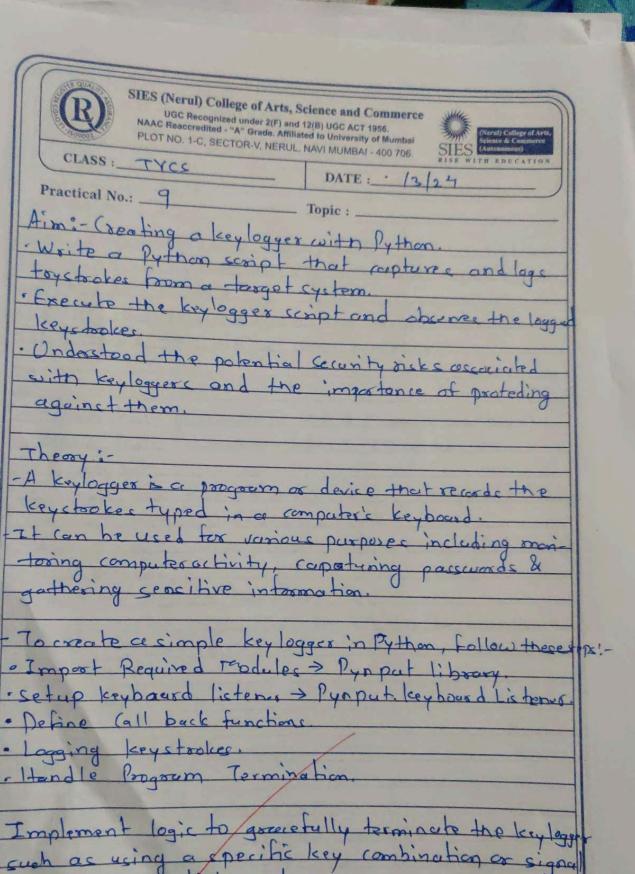
UGC Recognized under 2(F) and 12(B) UGC ACT 1956. NAAC Reaccredited - "A" Grade. Affiliated to University of Mumbai PLOT NO. 1-C. SECTOR-V, NERUL, NAVI MUMBAI - 400 706.  RISE WITH EDUCATION	
CIACO THE	DATE: 18/3/24
Practical No.: 7	pic :
Aim & Session Impersonation with fixefox & Tamper	
· Install & configure the Tumper Data add-on intintox.  · Intercept & modify HTTP requests to impressmate a	
· Intercept & modify HTTP	requests to impersonate a
· Understand the impact of s the importance of socion	ección imperconation &
the importance of socion	management.
Tamper Data:	
Tamper Data:	hat allows agent to interest
& modify HTTP & HTTPs &	equests made betweena
web prowser and a cer	ver.
oIt ican he used for teching	& debugging web applicat
tions as well as for seco	inty tecting to identity
tions ac well as for security tecting to identity  vulnerabilities in web applications.	
· Users (an view and made one ter and other data bef	17 request second, post
meter and other data bet	are they are sent to the
Senver.	
key features:	
· Intercopting & modifying requests.	
· Monitoring network to	Paris IT.
, Fronting and saving organist.	
· scripting support.	
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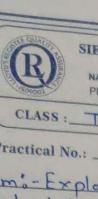


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CLASS: TYCE RISE WITH EDUCATION
Practical No.: Q
Aim: SQL Tricali
I dentify a web application who II I am
· Identify a cueb application valnescente to solinjoined the valnescentility.
the valnercobility.
database through the sal injection cettock.
the sal injection cettock.
- SQL injection is a type of cybercurity attack that explaits vulners bilities in database diven applications
explaits vulnerabilities in destabase diven andisching
V. Tabbutanar
-Attackers use -Sal injection to insert malicious sol code into an applications input fielder procumetros.
into an applications input fielder parameter.
quenes to execute anouthonzed commande or access sensitive data within the database.
access sensitive data within the database.
Without people input validation & sonitization measures
sol injection cettacks can compositive the security draw
application, leading to data breaches, data manist
pulation or even complète cosystem compromise.
0 1 10 1 1 1
Presentive measures such as asing parameterized queries, input validation and proper user author-
fication are essential to mitigate the risks
associated with sol injection attacks.
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Page No. \_

to stop the listener



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TO. 1-C, SECTOR-V, NERUL.	NAVI MUMBAI - 400 706. SIES WITH EDUCATION
CLASS: TYCS	DATE: 12/2/24
Practical No.:	Topic :
Aimi-Exploiting with Mal	-1.1
- Edentity a vising with lie tasploit.	
Aimi-Exploiting with Metasploit.  · Identity a vulnerable system and exploit ituany metasploit module.	
· hain anauthorised access to target system.	
· Understand the ethical	Considerations
step:	
: Open kali & windows	XP > (stort Bodblue)
· Open feali Powershell (	find IP address)
· Sudo su	
	1.735 (Ipadasfiedi)
- nmap-p80 10.0.2.2.	55 -A
·nmap-920 10.0.2.13	= -/t-ST (IPodd ofw)
msf concole	
+ mcf6> cearch badble	10.
omef6 > Use exploit/wi	ndows/http/bodblup.passthough
· set RHOST 10.0.2.15	(7 Poddo tw)
· exploit	
· sysinto	
· help	
· mkdix folder from kali	
* Open kati P windows XP	
There this file "folder from kali" is visible.	
(There this file "Folder to	om kali " is visible.
	Page No. 15

Page No. : 16 \* Open kali Powershell · Amdir folderfrom kali ... (folder gets chutdown system. It helps find valnerabilities in software to strengthen Security measures · Metasploit romes with a collection loads, auxiliary modules, pos modules, making a comprehensive for properation testing. SIES (Nerul) College of Arts, Science and Commerce UGC Recognized under 2(F) and 12(B) of UGC ACT 1956. NAAC Reaccredited- "A" Grade, Affiliated to University of Mumbai