	Vonsh Pahuja	700
	D121 (50	
	Css lab	=
	Aim: a) Study the use of network reconnerssance tools like wors, dry tracesoure, nslookup.	-
	tools like wors, dry tracesoure, pslookup.	
	to getter information Obas networks and	
1 4	COMONO REGISTRITON.	
	b) Download and install nonop. Use it with different	
	options to seen open pons, perform or finger	
	porting do a ping scan, top port scan, ucp port scan, x mas scan, etc.	
	por scan, x mas scan, etc.	
	c) Setup personal firewall wing intobles.	_
		_
\	Theory:	
al		
,	i) WHOIS:	
	internet line. Whois on google gives its	
*1	domain information.	
	2) 7xc cescute:	
4	7+ 13 used to show the source data packets	2
-	data take to reach their destination.	
	3) Drg:	
	The domain information gropes (dig) is	
, when	a tixible tool for integrating DNS none	
	seves.	ν
	4) NS 100kup.	
	7+ 13 WEA to trouble shoot DNS. I+ 13 G	
	nerwork administration command line tool for	
	greying the pomain name system to obtain the	top.
	grening the Domain name system to obtain the mapping between domain name & IP addresses	
<u>Sundaram</u> ®	FOR EDUCATIONAL USE	
		5

	OF Other ONS record.	
11		
5/	NMap:	
	7+13 Used to discours	
	packet and enclying the	
7.3.6	packet and engly in the	
ž v		
	Of Attimes of	
	compres network including:	
	DHOST DOSC	
	i) Most Pocovery: identify host on network i) Port scanning! Enumerating the open poins on one or more terret hosts	
	Enumerating the open pois on one or	
	More terget hours.	
	Thereogeting listering netrong services	_
		_
	11 GOO Nicotti - A Vico	
		—_
	and some hordware characteristics of	—_
)	Network devices	
٠–٦	Basic commands working in Nmap:	
	Fox toget specification, pome	
2=	For teget specifications: nome < teget up to a IP addes	
2)	for as detector:	
	Menop_o eterget URL OR IP>	
3)	For remon detection.	_0
1 26 9		
	nmap_sv = taget host's URL or IP >	
<b>Sundaram</b> <sup>®</sup>	FOR EDUCATIONAL USE	
	20 CONTOTAL USE	

c)	Firewalls:
0	All Mode a
	with a forestly systems come equipped
	All modern operating systems come equipped with a forcusil software application that resides network traffic to a computer
	topenall coeases a horores between a trusted
	rescore and an indicate and
3)	Freuchs work by doing who that appear which
-(-	traffic is allowed and which is blocked
٩)	my present quelification in the same on
	1) iptebles.
	Shar
ð	Steps:
2)	Losin to the so
33)	9) Follow the sunter holds to
	Logiz to the sener as soit user.  9) Tollow the syntax below for words internes rules.  b) Add interles rule to block in Coddress.
	c) Add phenses whe to block ip address to cacess
-('.	9 specific post-
	iptables - A input - s It-Addrew - here -p
	+CP destination per port-number -1 Donn
	d) Prop / nemove ipteble rule to upblock IP Addsen.
	e) PROP (2000) of tables
	e) PROP / remove iptables rules to block if - Address acress to a specific post.
	iptentes - D Inport -s IP - Address - Here - ptp-
	- destingtion - post post - number -, prop.
<u>Sundaram</u> ®	FOR EDUCATIONAL USE

<u> </u>	
1)	
	After adding/ removing any of the above soles we need to save the optables when he following command optables - save.
	soles we need to rue the intentes with
	ky the follows of more of the sound
	Copyright a prairie - 3012.
	Conclusion:
	Thus, I have sucressfully implemented nervolate reconnections ance roots, none and personal
	X P COPO CONT COPO 11 15 0 mm = 000 1
100	( all
	Fire ~ 4/1.
	The second secon
	Y 20 45
-	
. * * \	
Sundara	
	TOD EDUCATIONAL LISE
Sundaram	FOR EDUCATIONAL USE