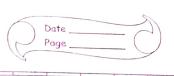
	Computer Networks
	LAB-9
	Name: Jenil J Gandhi
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	Aim: Learn about various networking commands in windows.
	1) Toacest
	Description: tracert is a diagnostic command which is used to determine the path taken to a
	destination by sending intermet protocol
	message protocol (ICMP) requests which
	incrementally increases the TI
_	
	Usage
	1) tracest google.com
	In this command the packets are sent to google.com like ping, and their return routes are recorded.
	with increasing III. 24 * 15 settime I so the
	sends max TIL of 30.
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	Page
	2) tracert /h 2 google.com
	me autput is same as normal tracest but the max TIL is adjusted to 2 horo.
	3) tracest /w 1000 google.com
	The contput is same as normal tracest but the timeant time is changed as per 16 's argument here 1000.
2)	Route
	Description: The soute command is used to display and modify the entries in the local IP routing table.
	Usage
1) route point
	This command "voute point" displays all the entries in the local vouting table. It shows each entries network destination, Netmack, gateway, intentace, metric
	those are shown for both IPV4 & JPV6.

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	2) route point 192 *
	The autput is same as soute command but it filters out all the destination address which strarts with 192 in the souting table.
	grandings and some state of the second of th
	3). voute add 0.0.0.0 mask. 0.0.0.0 . 132.168.12.1
	This command adds 'a default soute with the default gateway of 192.168.12.1 type
	Co.
3>	<u>Ftp</u>
-	Description : notification
	The FTP command is used to transfer files to a from a computer running a FTP server service. This command can be used in interactively or
	batch mode by processing ASCII files.
	Spo-1
	Usage
7	1) Connecting to the host. ex ftp ftp.ddu.ac.in.
	now a command prompt pops up.
	2) In this command prompt we can type the commands like. (i) media - makes a directory on the server
	a currency on the server

	Date Page
	(iii) detete: for deleting a file. (iii) cd: changing directory
	and many more commands to access the semote.
4>	SSH
	Description
	The SSH command provides a secure encrypted connection between two hosts over an insecure
	network. This connection can also be used too terminal access, file toansfers and other turnding
	applications
	Usage - Molarin 2. Ar - 41 America Co
	- 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	1) connecting to remote host.
	Ssh usen_name @ host.
	ex Ssh Jenil @ 192.168.22.1
	n contract of enter any many and the
	2) ssh-keygen
	This command generates a secure key using
	RSA Cryptography.
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	the state of the s
\sim	

5>	Telnet
	California de la Califo
	Description:
- , -	The second of th
	Telnet is a dient-server protocol producting
	the TCP protocol The notwook produced
	allows a need to log into another computer
	within the same notwork through a TCP/IP
	connection.
	4-4-175
	Usage
-	
	1) telnot 127.0.0.1. 80
. =	
	The command shows error as 80 is a severyed
1	post.
	2) totals If a post is available for connection
	then the command goes into a blank screen
	too of mot the out one of
6	Netstat Francy government
6>	Netstat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6>	Netstat Netstat Description displays artive TCP connections on which
6>	Netstat Description displays active TCP connections on which the computer is listening, other net state is routing
6	Notatat Notatat Description displays active TCP connections on which the computer is listening, othernatistats IP souting table, IPV4 & IPV6 stats
6	Netstat Netstat Description displays artive TCP connections on which
6	Note that Description displays active TCP connections on which the computer is listening, otherwat state, IP routing table, IPV4 & IPV6 stats
6	Notatat Notatat Description displays active TCP connections on which the computer is listening, othernatistats IP souting table, IPV4 & IPV6 stats
6	Notatat Description displays active TCP connections on which the computer is listening, ethernet state, IP sauting table, IPV4 & IPV6 stats 1) netstat.
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6	Notatat Description displays active TCP connections on which the computer is listening, ethernet state, IP sauting table, IPV4 & IPV6 stats 1) netstat.



a) notstat - S

stats are shown for UDP, TCP, ICMP and IP.

If JPV6 is installed then its stats are also

3) netstat -a

shows list of all active TCP connections & the TCP A UPP posts on which the computer is listening.