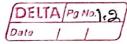
	Page No.:
	Course code -> BCS1-063
	Course Title - operating system Metwosking Monogement Lab
	Assignment alumber - 3(A(B) L-063/Assignment)
	Name - Mohr Sahil
	Enzoll NO. 7 176485-996
<b>3</b>	Studycensor -> 7SL Institute 38016(P)
	x - x - x - x - x - x - x - x - x - x -
Ans 16	) Ping
(/	U
	Virtual Box int Ping www agagle- com  120217=166,191) 56(84) by
6469	Ping www.google.com (1720217=166,196) 56(84) by we form delo3518-14-64-100, ned (17),217,166,196); icmp 509=1 til= time = 2202 m
66464	tes from Jel0303-inty-10100-net (172,217,166,196); icmpecg=2-1+l=5/
64 64	tes from delo3513-infy-/e/20, net (172,214.166, 190) 'ichp seg=3 +11.
146	Les from 10103512-inty-14/00, red (17), 217, 166, 196); icms eg= 914/
0 T 27	tes form Solo3513-inty-14/00 red (17). 217, 166. 196); icms eg= \$14/ thm =142 mg
64 byte	8 form selossiz-inty-lulocanet (122.21).166,196): icnpsqs 5 +fl=5T time 242 m



64 bytes from del03s13-in-f4.1e100.net (172217.166.196): icmp\_seq=13 ttl=51 time=167 ms 64 bytes from delo3013-in-f4.10100.net (172.917.166.196): icmp seq=14 tH=51 time=307 ms 64 bytes from delo3513-in-fy.1e100.net (172.217.166.196): icmp\_seq=15 ttl=51 time=91.6 ms 64 bytes from delws13-in-fy.1e100.nd (179.217.166.196): icmp seq=16 ttl=51 time=86.6 ms 64 bytes from del03813-in-fu-lel00-net (179.217.166.196): icmp-seq=17 tH=51 time=62.6 ms 64 bytes from delossis-in-f4.1e100 net (172.217.166.196): icmp-seg = 18 ttl=51 time = 88.1 ms 64 bytes from delo3s13-in-fu.lelooned(170.917.166-196): icmp-seq=19 ttl=51 time=303 ms 64 bytes from delossis-in-fu.leloonet (779.217-166.196): icmp\_seq=20 ttl=51 time 284.1 mg= 64 bytes from de103512-in-\$4.1e100.net (172.217.166.196): icmp. sq = 21 ft1=51 time = 83.5 ms 64 bytes from del03913-in-f4.1e100.net (172.217.166.196): icmp.seq = 22 +H=51+time = 635 ms 64 bytes from delo3213-in-f4.1e100.net (179.917.166.196): ixmp\_seq = 23 ttl = 51 time = 83-6 ms 64 byles from delossis-in-fulleloo.net (172.217.166-196): icmp-seq=29 ttl=51 time=81.7 ms 64 bytes from del03s13-in-f4.1e100.net (178217-166.196): icmp seq=30 ttl=51 time=119 ms 64 bytes from del03513-in-f4.1e100.net (172.217.166.196): icmp.seq =31 tfl=51 time=117 ms 64 bytes from delassis-in-fulleloo net (178.217.166.196): icmp seq=32 tH=51 time=108 ms 64 bytes from delo3513-in-f.4.1e100.net (172.217-166.196): 10mp\_seq=33 ++1=51 time=125 ms Ans (ii) arp VirtualBox:~ \$ arp Hwaddress Flags Mask Address HWype Iface enp0s3 gateway Ans (iii) finger Virtual Box: ~ & finger Login Name Idle Office Phone Login Time Office Sep 14 09:57 rahul (0:)

Avs (V)	scb.
	VirtualBox: ~ \$ xcp
	usage: scp [-346BCpgrv] [-c cipher] [-F ssh_config] [-i identify file] [-1 limit] [-o ssh_option] [-P port] [-S program]
	[[user@]host]: ] file! [[user@]host 2:] file 2
3	
Aug 1. (b)	the same of the sa
Aug (i)	bin
	VirtualBox: ~\$ cd /bin
	Virtual Box: /bin & ls
	bash fuser networketl static-sh
	brity fusermount nisdomainmane sty
	bunzipa gettad ntfe=30g sy
	busybox grep mtgs-3g-probe sync
The state of the s	bzcmp gzere nifsclusten systemal
i i	becat gunzip ntfscat systempt1
	bediff hoiconfig ntistallocate systempescape
11	bregging hostname nt-fs-fix systems hundb
K	brene ip ntfsinto systemtinhibit
11	before Journalett ntfs/s system machine-id-setup
11	bzgrep kbd-mode nt.fsmove system-votify
	bzipa kill ntysneroven systemy-sysusers
	bzipareroven Kmod ntfssecoudit systemy-tmpfiles
	boless less intervencete systemd-ty-ask-pass-agent
	bemore lossecho nifeusermap tar

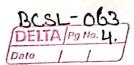


	chacl	lessfile	ntfswipe	tempfile	
	charp	leaskey	▼	touch	
	chmod		openut	true	
	chown	In	A second	udevadn	
	chut	loadkays		ulockmar server	
(ii - 1) c=	СР	login	0	unmount	
	cpio	loginct1		uname	
	dash	U		uncompress	
22	date	_ls	•	unicode start	1 2
	11	Isblk	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	udir	
		Ismod		wdctl	
	div	mkdir	readlink	which	
		mlxnod		whipteril	
		me mktemp		ypdomainname	
		more		zcat	
		mount		ZCMP	
		trioghum		zdiff	
	11	mt		sedreb	
	al ilas addums	mt-gnu	getter!	2	
	elipospania	mu Olim	cotlant	starep	
	EN BOOK MACH	mv		zforce	
	egrep	nano	setupion	sareb	
	false.	nc .	_sh	zless .	
	fgconsole		d_sh-distrik		
	forep	netcol	sleep	ZNEM	
	findmnt	netsted	_\$\$	And the second s	
1 1	7 2				

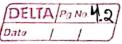
400

Aug (	(ii) /usr/bin		
	Virtual Box:/home		*.
	Virtual Box: /USX/t	sin\$ 1s	
	(C)	· identify	ppmtoeyuv
	411toppm	identify-imb-0116	ppmtogif
	aq-enabled	_ie <b>c</b> set	ppmtoicr
1	II .	ijs-pxljx	ppmtoilbm
	aconnect	ilbmtoppm	ppmtojpeg
	acpi listen	identify-im6	ppmtoleaf
	add-apt-repository	imagetops	ppmtolj
Service a	add part	im-config	ppmtomap
	addraline	imgtoppm	ppmtomitsu
	alsabat	im-launch	ppmtompeg
	alsaloop	_import	ppmtoneo
	alsamixer	import-im6	ppmtopex
13+	alsatplg	import-imb-q16	ppmtopgm
J.	alsaucm	info	ppmtopii
	amidi	infobrowser	ppmtopict
	amixer	infocmp	ppmtopj
	amy Formatish	infotocap	
	animate	inputattach	ppmtorgb3
	animate-imb	install	ppmtosinel
	animate-imb-glb	intall-info	ppmtatga
	anytopnm	install-printerdriver	ppmtouil
	ciba	instanodsh	ppmtousinicon
	apablm	intel-virtual-output	
	aplay aplay	interdiff	ppmtoxpm.

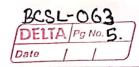
			DELTA Py No. 3. 9
	aphymidi	ionice	ppmtoyuvsplit
	apport-bug	ipemk	ppmtv
	apport-di	ipeam	br
	apport-collect	ipes	precat
	apport-upack	ipod-read-sysinfo-extended	preconv
	abbres	ipad-time-sync	preunzip
	appstreamcli	ippfind	prezip
	apropos	ipptool	prezip-bin
	apt	iptables-xml	print
	apt-add-repository	ischroot	privatalm
	apt-cache	isdu4-serial-debugger	printenv
	apt-cdrom	isdu4-serial-inputatioch	printerbanner
			A CONTRACTOR OF THE CONTRACTOR
Aus (iii)	/sbin	Christian Land	
	VirtualBox:~ > 15 -1,	/sbin/ifconfig/sbin/fdisk/sl	bin/mkbs.ext4
	-x112xx-xx-x 1 700t	TOOK INSHULL HOW IS 91:	27 Khim / Odich
	-rwrr-xx-x 1 most	root 69484 Dec 8 30	13 /sbin/ifconfig
	1 root 1 root	root 6 Jun 20 11:	BO Sbinlinkys.extu-mkely
(۷) وید	/tmp		
	VirtualBox: ~ \$ cd   t	and a second of the second of	Phone
	VirtualBox: /tmp & 1		7.11
	Config-err-ISIQiA		a. L.
	config-err-lsIQiB SSh-2mUc A6HKZbS7		<u> </u>



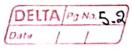
	DELTA Pg No. 4.						
	- 1- 1 - 1-11 - ALLET - TOAR QUEL - 1/11-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-						
	Systemd-private-c01687a5208248faalflab4d47-bolt-service-w26Zhpsystemd-private-c01687a5208248faalflab4d47-colored.service-W4u6AO						
	systema-private-collosias208248faalflab4d47-fwupd.service-Oquenpe						
	systemd-private-c01687a5908848faalflabud47-ModemManager-service-TKGChi						
	eystemd-private-co168745208248faolflab4d47-21kit-daemon-service-ysu8yl						
	systemd-private-co1687a5208248fcalflab4d47-systemd-resolved-service-hotwCJ						
1 / 1							
^							
Aus (V)	/boot						
	Virtual Box: /hom & cd/boot						
* )	Virtual Box: /boot & ls						
	config. 5.0.0-23-genevic memtest 86+. elf						
	config-5.0.0-27-generic memtest 86+ multiboot. bin						
	grub system-map. 5.0.0-23 generic						
	inited-ing-50.0.22-generic system-nap-5.0.0-27-generic						
	inityd.img-50.0-27-generic umlinuz-50.0-23-generic						
	memtest 86+.bin Umlinuz-5.0.0-97-generic						
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1						
Ays 2.0	Creating a file with the following text and save it as						
-	3cript Sh						
-	#!/bin/bash						
	if I-e x.txt ]						
	then echo "File exists"						
	else						
	echo "File does not exist"						
	T'						



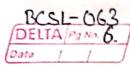
- 1	DELTA Pg No. 4.2
	Save and execute the script:
	\$ chmod +x script.sh
	\$ ./script.sh
, <u> </u>	
Aug (b)	#1/bin/sh
	df-H   grep-vE'^Filesystem/tmpfs/cdrom'   awk&print \$5""\$12"
	while read output;
	do
	echo foutput
	usep= \$(echo foutput lawk'&print \$13'   cut -d% -f1)
-	partition=\$(echo soutput   aux & print \$23')
	if I susep-ge 90 ]; then
9-	echo "Running out of space (\$ partition (\$usep%)" on
	\$ (hotname) as on \$ (date)   mail-s "Alent: Almost
	out of disk space tuep do "you @ somewhere.com"
	<b>di</b>
	done
	Output:
	VirtualBox:~\$ cd Desktop
- 11	VirtualBox: ~/ Dexktop & sudo. / clisk.sh
- 11	[sudo] password for rahul:
	0% uder
	2890 /dev/sdoit
	100% /dev/100p1
	-/disk.sh: 9: /disk.sh: mail: not found
	10090 /deu /100p2



- Ye	./disk.sh: 9: /disk.sh: mail: not found
	100% /dev/100p0
	/disk.sh: 9: /disk.sh: mail: not found
	100% /dev/100p3
	-/disk-sh: 9:/disk-sh: nail: not found
	100% /deu/100P4
e 1 *	-/disk.sh: 9: /disk.sh: mail: not found
$\overline{}$	100% /dev/100p7
	·/disk.sh: 9: -/disk.sh: mail: not found
	100% /dev/100p8
	./disk.sh: 9: /disk.sh: mail: not found
	100% /dev /100ps
,	Misk-sh: 9: Misk-sh: mail: not found
	100% /dev /100p6
	./disk.sh: 9: ./disk.sh: mail: not found
	100% /dev/100p9
	/disk.sh: 9: /disk.sh: mail: not found
	100% /dev/100plo
j+' <sub>λ</sub> ₹'	Klisk.sh: 9: Klisk-sh: mail: not found
	100% /den/100b/1
	-/disk.sh: q: /disk.sh: mail: not found
	100%/dev/100p12
	Misk.sh: 9: /disk.sh: mail: not found
	100%/dev/100p13
	·/disk.sh: 9: /disk.sh: neil: not found
	J. 100 1 1 100 1



Ans 3.(a)	rahul @dev-db\$ crontab-1
	Quearly/home/rahul/annual-maitenance
	00 11.13 + * / home / rahul/bin/incremental-backup
	Explanation:
	00-0th Minute (Top of the hour)
	11,13-11 AM and 01 PM
	*- Every day
	*- Every month
	* - Every day of the week
Aug (b)	Adding User
	useradd (username)
	password (username)
	Changing password for user (username).
	New LINUX password:
	Retype new LINUx password:
,	password: all authentication token auddated successfully.
<b>&gt;</b>	password: all authentication taken authorized successfully. To programme@test:~\$ sudo userddd mark -m -s /bin/bash -g users
	-c "my comment"
	Isudo] passusord for programme:
	programme atest: ~ \$ sudo password mark
	Enter new UNIX password:
	Betype new UNIX password:
	password: password updated successfully
	041: - C 0
	Adding Group  Sudo groupadd nurses
	sudo usermod -a -G nurses mom



-1						DELTA Data	L-06 A Pg No. 1	6.
롸	bucky@ulountu:~\$ sudo groupadd nurses							
	[sudo] password for bucky:							
	bucky Qub	untu:~\$	sudo userm	od -	a-G	nurs	లు_హ	nom)
Avs (c)	Setting Permissions for a File or Folder							
1	To cet the	penmissia	ns for a di	ile or	- fold	er_		
	Use Windo	us Explor	en to locat	e th	e fil	eor	fol	der
	for which	you use	nt to edi	t the	_ pen	missi	ons.	<u></u>
3.	Right-click	the dol	der, and th	en cli	di P	rope	nties	
4.	Click the	Security	tab.					
5.	To add a ne	is access	control setli	ng to	the fol	lder,	_clic	k Add.
6.	Sclect the	users, com	puters, or	group	ps the	et the	is ac	icess confic
	setting is	applied to.	click Add a	and -	hen c	dick	OK.	
<b></b> 7.	To remove	e cun acce	es control es	setting	4	10		and a
	click Re	move.						
8.	Click OK to	accept	the setting	s, clic	h Can	cel to	o ca	ncel any
	chages you	home me	ide, or click	x Apr	गित्र सेठ	app	14 th	re change
	without c	losing the	file oc.	folde	1 pro	spent	ies.	न्द
0. 2 (0)	10 1 10		- 10					
	VirtualBox:							
11	Kernal IP		Genmersk	Floor	Matria	D-1	1)	71
1	Destination D.O.O.O	10.0.8.2				V	_V.SC_	Iface
			255.255.255.0	_VG		^	Δ	enp0s3
11	69.254.0.0		322.322.0.0	U	100		<u> </u>	enpos3
	P-IVAC-IVO	VIULUIU	ויחיתיניאיניני	<u> </u>	1000			enp Os3
			X					