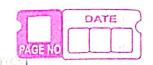
G. H. Raisoni College Of Engineering And Management, Wagholi Pune						
<u>2021- 2022</u>						
Assignment no :- 1						
Department	CE [SUMMER 2022]					
Term / Section	<u>III/B</u>	Date Of submission		15-02-2022		
Subject Name /Code	Operating System / UITP203					
Roll No.	SCOB77	Name	<u>Pratham Rajkumar pitty</u>			
Registration Number	2020AC0E1100107					

PAGE NO DATE

Practical NO 1

	The const of the sension assist the sension of
*****	Aim: > study of Unix / Linux general purpose Utility
	commands list obtained from (man, who, cat, ed, cp.
	PS. Is, mv, &m, mxdix, omdix, ectro, more, data, time,
	kill, history, chmod, chown, finger, pwd, car, lgout,
	Strotdown) commands
and the second	Locations and a few road constant to prof. (4)
R	Theory:
	The followings gre the commands:
<u>u</u>	pwd: 7 The pwd command is used to display the
A CONTRACTOR OF THE CONTRACTOR	location of cuspent working directory
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2)	midix:> The midis command is used to dicoeate q
40), to the	new directory under any directory
3)	rmdis: > The omdis commad is used to demove
	the disectory
4)	15:7 display list of content of a disectory
	Selection and the
(S)	cd:> The cd command is used to change the
	cossent disectory!
	the most a car of polytical
(6)	man : 7 We can use this command after any command to
	get the official documentation written for that
	perticular command
	The American Statement of the American
7)	who I To check the uses we use the who command
<u>a)</u>	+ouch -> To create empty files
101	TO TO Remove files



(0)	cat! > Display files contents on the terminal				
, n. + 11 (3	The same of money secret your to played mid to				
(11)	ecto: > Print any text that follows the command				
	Liter on the first state of the				
(12)	data: -> applays date				
	Structure (of order				
(13)	time: -> determine How long a given commond takes to				
(14)	history: > To view the previously executed commands				
(15)	Shutdown: > Shutdown System lin a Safe way				
(16)	10400+:> 10400+ from our Session				
2 1	south at boso it browners ally in all a section to				
(ר)	ipconfig 1 ifconfig :> To configure the Kernal-resident				
	in the state of th				
CIO					
(10)	Ping: -> To check netwoork connectivity between host and Server/host				
	ceover / 1765				
<u> </u>	Linux command ->				
	is a Utility of the Linux operating system				
	All basic and advanced tasks can be clone by executing				
	on the Linux teaming)				
2 10.00	Charles to the transport of the party of the				
**	Shell pagramming > The shell is a layer of programming that				
	ine size is a layer of programming that				
	understands and executes commands entered by user				
145.00	A Shell stript is designed to be sun by the unix shell,				
	the state of the s				
•	conclusion: > Thus Using different strell commands, we successfull				
	operated the unix based terminous to understand the core betind Os.				

1) who

2)whois

```
6 5. ▼
                                                                                                                                                                  65% 20:51
                                                                                   pratham@pratham: ~/Documents
 File Actions Edit View Help
(pratham@pratham)-[~/Documents]
whois
Usage: whois [OPTION] ... OBJECT ...
-h HOST, --host HOST
                                          connect to server HOST
 -p PORT, --port PORT
                                          connect to PORT
                                          query whois.iana.org and follow its referral
hide legal disclaimers
explain what is being done
           -- help
                                          display this help and exit
           --version
                                          output version information and exit
These flags are supported by whois.ripe.net and some RIPE-like servers:

-l find the one level less specific match

-L find all levels less specific matches

-m find all one level more specific matches

-M find all levels of more specific matches

-c find the smallest match containing a mnt-irt attribute
-x
-b
                                          return brief IP address ranges with abuse contact
turn off object filtering (show email addresses)
turn off grouping of associated objects
return DNS reverse delegation objects too
-B
-d
                                          only look for objects of TYPE
only primary keys are returned
turn off recursive look-ups for contact information
force to show local copy of the domain object even
    ATTR[,ATTR]...
TYPE[,TYPE]...
-R
                                          if it contains referral
also search all the mirrored databases
search the database mirrored from SOURCE
find updates from SOURCE from serial FIRST to LAST
-s SOURCE[,SOURCE]...
-g SOURCE:FIRST-LAST
-t TYPE
                                          request template for object of TYPE
-v TYPE
                                          request verbose template for object of TYPE
-q [version|sources|types] query specified server info
     -(pratham® pratham)-[~/Documents]
```

3) Is – The most frequently used command in Linux to list directories

4) **pwd** – Print working directory command in Linux

```
pratham@pratham:~/Documents

File Actions Edit View Help

(pratham@pratham)-[~/Documents]

pwd
/home/pratham/Documents
```

5) cd – Linux command to navigate through directories

6) mkdir, rmdir

7) touch, rm, cp, mv

```
🌂 🛄 🛅 🍃 🚳 🛂 🗸 1 2 3 4
                                        F
                                       pratham@pratham: ~/Documents
File Actions Edit View Help
                                                                                          Screensho
[ratham⊕ pratham)-[~/Documents]
(pratham® pratham)-[~/Documents]
$ touch first
(pratham@pratham)-[~/Documents]
$ ls
(pratham@pratham)-[~/Documents]
$ cp first new
(pratham® pratham)-[~/Documents]
s mv first new
pratham@pratham)-[~/Documents]
pratham® pratham)-[~/Documents]
strm new
pratham@pratham)-[~/Documents]
(pratham® pratham)-[~/Documents]
```

8) touch, cat, echo

```
pratham@pratham:~/Documents

File Actions Edit View Help

(pratham@pratham)-[~/Documents]

touch first

(pratham@pratham)-[~/Documents]

touch first

Hello its pratham

(pratham@pratham)-[~/Documents]

techo first

first
```

9)date, time, cal

```
□ 4) ≜ 18% 8:38
🌂 📖 🛅 🍃 🍪 🖭 🗸 1 2 3 4 🕒
F
                                                       pratham@pratham:~
 File Actions Edit View Help
[ratham⊕ pratham)-[~]
Tue Feb 15 08:36:38 AM EST 2022
__(pratham⊕ pratham)-[~]

$ time
         54.64s
real
         1.00s
user
         0.33s
real
         54.645
         0.16s
user
         0.07s
         0%
(pratham⊕ pratham)-[~]

$ cal

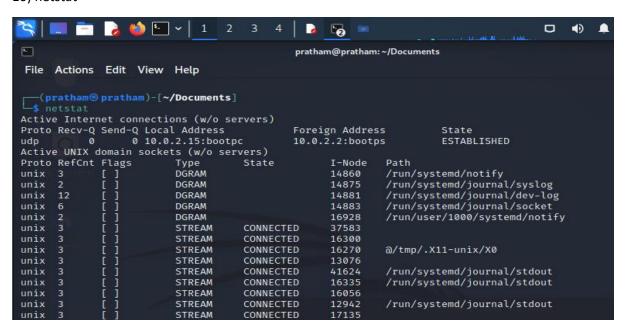
February 2022

Su Mo Tu We Th Fr Sa

1 2 3 4 5

6 7 8 9 10 11 12
20 21 22 23 24 25 26
27 28
__(pratham⊕pratham)-[~]
```

10) netstat



11) history

```
🌂 🔙 🛅 🍃 🍏 🔄 🗸 1 2 3 4 🕞 🌄
                                                                                            1
F
                                                pratham@pratham: ~/Documents
 File Actions Edit View Help
__(pratham⊕ pratham)-[~/Documents]
$ history
    1 kali@123
2 clear
       clear
lfjsdl;fijsdlifj;asdijf;idsjf;ijsd;fijsd;ifjs;eadlifj;esidjf;i
       ls;Documents;touch first;cp first new
       ls
first
       rm new
ls
       clear
   12
       touch first
       cat first
rm first
clear
   16
       touch first
   20
21
       arp
date
   22
23
       arp
clear
   25
26
       arp
   27
28
       clear
       date
   29
       time
       cal
clear
   30
       Documents
       clear
       touch first
       less
       clear
   38
       netstat
       clear
[ pratham⊕ pratham)-[~/Documents]
```

12)ifconfig

```
(pratham@pratham)-[~/Documents]
ifconfig
eth0: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
        inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
        inet6 fe80::a00:27ff:fe7d:f3bb prefixlen 64 scopeid 0×20<link>
        ether 08:00:27:7d:f3:bb txqueuelen 1000 (Ethernet)
RX packets 4 bytes 931 (931.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 20 bytes 1740 (1.6 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 :: 1 prefixlen 128 scopeid 0×10<host>
        loop txqueuelen 1000 (Local Loopback)
        RX packets 12 bytes 600 (600.0 B)
        RX errors 0 dropped 0 overruns 0
                                             frame 0
        TX packets 12 bytes 600 (600.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

13)ping

```
-(kali⊕kali)-[~]
s ping 10.0.2.15
PING 10.0.2.15 (10.0.2.15) 56(84) bytes of data.
64 bytes from 10.0.2.15: icmp_seq=1 ttl=64 time=0.047 ms
64 bytes from 10.0.2.15: icmp_seq=2 ttl=64 time=0.062 ms
64 bytes from 10.0.2.15: icmp_seq=3 ttl=64 time=0.066 ms
64 bytes from 10.0.2.15: icmp_seq=4 ttl=64 time=0.064 ms
64 bytes from 10.0.2.15: icmp_seq=5 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=6 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=7 ttl=64 time=0.061 ms
64 bytes from 10.0.2.15: icmp_seq=8 ttl=64 time=0.068 ms
64 bytes from 10.0.2.15: icmp_seq=9 ttl=64 time=0.060 ms
64 bytes from 10.0.2.15: icmp_seq=10 ttl=64 time=0.064 ms
64 bytes from 10.0.2.15: icmp_seq=11 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=12 ttl=64 time=0.063 ms 64 bytes from 10.0.2.15: icmp_seq=13 ttl=64 time=0.064 ms
64 bytes from 10.0.2.15: icmp_seq=14 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=15 ttl=64 time=0.064 ms
64 bytes from 10.0.2.15: icmp_seq=16 ttl=64 time=0.062 ms 64 bytes from 10.0.2.15: icmp_seq=17 ttl=64 time=0.054 ms
64 bytes from 10.0.2.15: icmp_seq=18 ttl=64 time=0.074 ms
64 bytes from 10.0.2.15: icmp_seq=19 ttl=64 time=0.083 ms
64 bytes from 10.0.2.15: icmp_seq=20 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=21 ttl=64 time=0.063 ms
64 bytes from 10.0.2.15: icmp_seq=22 ttl=64 time=0.064 ms
64 bytes from 10.0.2.15: icmp seq=23 ttl=64 time=0.064 ms
```