[root@praveen ~]# uname

Linux

[root@praveen ~]#

[root@praveen ~]# top ===> shows all process in Linux server ( it same as task manager in windows)

top - 00:29:53 up 4:07, 9 users, load average: 0.00, 0.00, 0.00

Tasks: 195 total, 1 running, 194 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.3%us, 0.7%sy, 0.0%ni, 98.7%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st

Mem: 1906908k total, 831212k used, 1075696k free, 98136k buffers

Swap: 4095992k total, 0k used, 4095992k free, 335900k cached

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

1568 root 20 0 181m 4492 3556 S 0.3 0.2 0:17.19 vmtoolsd

5193 root 20 0 431m 26m 18m S 0.3 1.4 0:18.99 vmtoolsd

8979 root 20 0 15028 1296 944 R 0.3 0.1 0:00.79 top

1 root 20 0 19348 1604 1288 S 0.0 0.1 0:06.46 init

2 root 20 0 0 0 0 S 0.0 0.0 0:00.03 kthreadd

3 root RT 0 0 0 0 S 0.0 0.0 0:00.00 migration/0

4 root 20 0 0 0 0 S 0.0 0.0 0:00.17 ksoftirqd/0

5 root RT 0 0 0 0 S 0.0 0.0 0:00.00 migration/0

6 root RT 0 0 0 0 S 0.0 0.0 0:00.07 watchdog/0

7 root 20 0 0 0 0 S 0.0 0.0 0:11.80 events/0

8 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cgroup

9 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khelper

10 root 20 0 0 0 0 S 0.0 0.0 0:00.00 netns

11 root 20 0 0 0 0 S 0.0 0.0 0:00.00 async/mgr

12 root 20 0 0 0 0 S 0.0 0.0 0:00.00 pm

13 root 20 0 0 0 0 S 0.0 0.0 0

Suppose if we want top command should auto exit after 1 second so below will be format

top -b -n <number of seconds>

[root@praveen ~]# top -b -n1

top - 00:34:21 up 4:12, 9 users, load average: 0.00, 0.00, 0.00

Tasks: 194 total, 1 running, 193 sleeping, 0 stopped, 0 zombie

Cpu(s): 0.4%us, 0.6%sy, 0.0%ni, 97.7%id, 1.1%wa, 0.0%hi, 0.1%si, 0.0%st

Mem: 1906908k total, 831196k used, 1075712k free, 98380k buffers

Swap: 4095992k total, 0k used, 4095992k free, 335928k cached

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

9137 root 20 0 15024 1156 820 R 1.9 0.1 0:00.01 top

1 root 20 0 19348 1604 1288 S 0.0 0.1 0:06.46 init

2 root 20 0 0 0 0 S 0.0 0.0 0:00.03 kthreadd

3 root RT 0 0 0 0 S 0.0 0.0 0:00.00 migration/0

4 root 20 0 0 0 0 S 0.0 0.0 0:00.17 ksoftirqd/0

5 root RT 0 0 0 0 S 0.0 0.0 0:00.00 migration/0

6 root RT 0 0 0 0 S 0.0 0.0 0:00.07 watchdog/0

7 root 20 0 0 0 0 S 0.0 0.0 0:12.13 events/0

8 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cgroup

9 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khelper

10 root 20 0 0 0 0 S 0.0 0.0 0:00.00 netns

11 root 20 0 0 0 0 S 0.0 0.0 0:00.00 async/mgr

12 root 20 0 0 0 0 S 0.0 0.0 0:00.00 pm

13 root 20 0 0 0 0 S 0.0 0.0 0:00.10 sync\_supers

14 root 20 0 0 0 0 S 0.0 0.0 0:00.21 bdi-default

15 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kintegrityd/0

16 root 20 0 0 0 0 S 0.0 0.0 0:01.14 kblockd/0

17 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kacpid

18 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kacpi\_notify

19 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kacpi\_hotplug

20 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ata/0

21 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ata\_aux

22 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ksuspend\_usbd

23 root 20 0 0 0 0 S 0.0 0.0 0:00.02 khubd

24 root 20 0 0 0 0 S 0.0 0.0 0:00.02 kseriod

25 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md/0

26 root 20 0 0 0 0 S 0.0 0.0 0:00.00 md\_misc/0

27 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khungtaskd

28 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kswapd0

29 root 25 5 0 0 0 S 0.0 0.0 0:00.00 ksmd

30 root 39 19 0 0 0 S 0.0 0.0 0:00.38 khugepaged

31 root 20 0 0 0 0 S 0.0 0.0

[root@praveen ~]# who =====> shows currently logged in user details of the server

root tty1 2022-01-22 14:34

root pts/0 2022-01-22 14:35 (192.168.209.1)

ajay pts/2 2022-01-22 15:17 (192.168.209.1)

root tty7 2022-01-22 16:19 (:0)

root pts/3 2022-01-26 00:10 (192.168.209.1)

praveen pts/4 2022-01-26 00:33 (192.168.209.1)

praveen pts/5 2022-01-26 00:35 (192.168.209.1)

root pts/6 2022-01-27 00:13 (192.168.209.1)

[root@praveen ~]# who

root tty1 2022-01-22 14:34

root pts/0 2022-01-22 14:35 (192.168.209.1)

abhi pts/1 2022-01-27 00:42 (192.168.209.1)

ajay pts/2 2022-01-22 15:17 (192.168.209.1)

root tty7 2022-01-22 16:19 (:0)

root pts/3 2022-01-26 00:10 (192.168.209.1)

praveen pts/4 2022-01-26 00:33 (192.168.209.1)

praveen pts/5 2022-01-26 00:35 (192.168.209.1)

root pts/6 2022-01-27 00:13 (192.168.209.1)

[abhi@praveen ~]$ whoami =====> current user logged in name

abhi

[abhi@praveen ~]$ uname -a

Linux praveen 2.6.32-279.el6.x86\_64 #1 SMP Wed Jun 13 18:24:36 EDT 2012 x86\_64 x86\_64 x86\_64 GNU/Linux

[abhi@praveen ~]$

[abhi@praveen ~]$

[abhi@praveen ~]$

[abhi@praveen ~]$ uname -m ===> shows server is 64 bit

x86\_64

[abhi@praveen ~]$ uname -r ===> shows the kernel version

2.6.32-279.el6.x86\_64

[abhi@praveen ~]$

x86\_64 ====> shows server is 64 bit server

i386 ====> 32 bit server

[abhi@praveen ~]$ date

Thu Jan 27 01:04:37 PST 2022

[abhi@praveen ~]$ date +%Y-%m-%d

2022-01-27

[abhi@praveen ~]$ date +%Y/%m/%d

2022/01/27

[abhi@praveen ~]$ date +%Y:%m:%d

2022:01:27

[abhi@praveen ~]$ date +%y-%m-%d

22-01-27

[abhi@praveen ~]$ date +%Y-%b-%d

2022-Jan-27

[abhi@praveen ~]$ date +%Y-%B-%d

2022-January-27

[abhi@praveen ~]$

[abhi@praveen ~]$ date +%Y-%B-%d%H:%M:%S

2022-January-2701:02:17

[abhi@praveen ~]$ date +%Y-%B-%d" "%H:%M:%S

2022-January-27 01:02:30

[abhi@praveen ~]$ date +%d-%m-%Y

27-01-2022

[abhi@praveen ~]$ date

Thu Jan 27 01:04:37 PST 2022

[abhi@praveen ~]$ date +%Y-%m-%d

2022-01-27

[abhi@praveen ~]$ date +%F

2022-01-27

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 days" ====> shows 10 days forward date

2022-02-06

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 months"

2022-11-27

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 years"

2032-01-27

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 days ago" ===> shows 10 days ago date"

2022-01-17

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 months ago"

2021-03-27

[abhi@praveen ~]$ date +%Y-%m-%d -d "10 years ago"

2012-01-27

[abhi@praveen ~]$

[abhi@praveen ~]$ date +%D

01/27/22

%Y ====> Full year

%y === last 2 digits of year

%m ===> month number

%d ===> date

%H ===> hour

%M ===> Minutes

%S ===> Seconds

%F ===> standard format

%b ===> First 3 characters of month name

%B ===> Full Month name

next class

free

df

uptime

ps

kill