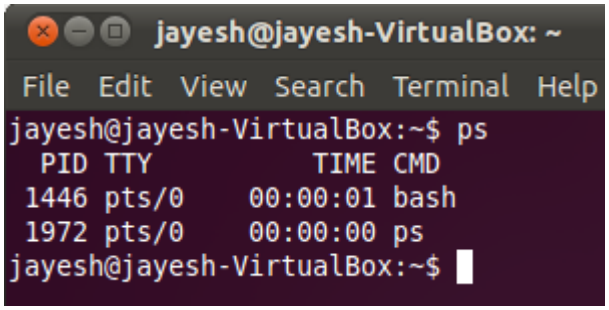
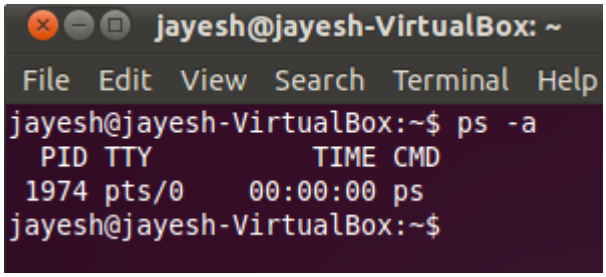
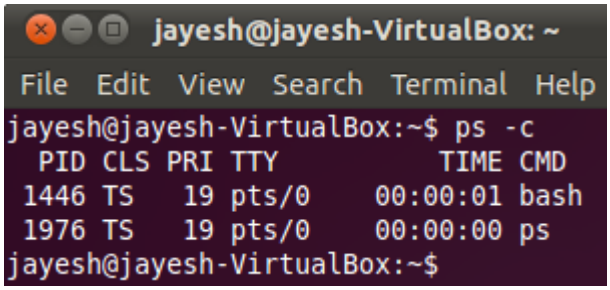
Q. Write a program to explain PS command ?Ans.Ps □□□□□ active processes □□ □□□□□□ □□ |Syntax:ps □□□□□ □□ syntax □□□□□□□□□□ □□ –ps [option]



□□□ basic ps □□□□□□□ □□□□□□□□□□ □□ –1`) Displays all processes on a terminal, with the exception of group leaders.Ps –a



2) Displays scheduler data.Ps –c



3) Displays all processes with the exception of session leaders.Ps –d

```
jayesh@jayesh-VirtualBox: ~
File  Edit  View  Search  Terminal  Help
jayesh@jayesh-VirtualBox:~$ ps -e
  PID TTY          TIME CMD
    1 ?        00:00:01 init
    2 ?        00:00:00 kthreadd
    3 ?        00:00:01 ksoftirqd/0
    5 ?        00:00:00 kworker/u:0
    6 ?        00:00:00 migration/0
    7 ?        00:00:00 cpuset
    8 ?        00:00:00 khelper
```

4) Displays all processes.Ps –e

```
jayesh@jayesh-VirtualBox: ~
File  Edit  View  Search  Terminal  Help
jayesh@jayesh-VirtualBox:~$ ps -e
  PID TTY          TIME CMD
    1 ?        00:00:01 init
    2 ?        00:00:00 kthreadd
    3 ?        00:00:01 ksoftirqd/0
    5 ?        00:00:00 kworker/u:0
    6 ?        00:00:00 migration/0
    7 ?        00:00:00 cpuset
    8 ?        00:00:00 khelper
```

5) Displays a full listing.Ps –f

```
jayesh@jayesh-VirtualBox: ~
File  Edit  View  Search  Terminal  Help
jayesh@jayesh-VirtualBox:~$ ps -f
UID        PID  PPID  C STIME TTY          TIME CMD
jayesh    1446  1440  0 11:30 pts/0    00:00:01 bash
jayesh    2020  1446  0 14:36 pts/0    00:00:00 ps -f
jayesh@jayesh-VirtualBox:~$
```

6) Displays the process group ID and session ID.Ps –j

```
jayesh@jayesh-VirtualBox: ~
File  Edit  View  Search  Terminal  Help
jayesh@jayesh-VirtualBox:~$ ps -j
  PID  PGID   SID TTY          TIME CMD
 1446  1446  1446 pts/0    00:00:01 bash
 2024  2024  1446 pts/0    00:00:00 ps
jayesh@jayesh-VirtualBox:~$
```

7) Displays a long listingPs –l

```
jayesh@jayesh-VirtualBox: ~
File  Edit  View  Search  Terminal  Help
jayesh@jayesh-VirtualBox:~$ ps -l
F S   UID   PID  PPID  C PRI  NI ADDR SZ WCHAN  TTY          TIME CMD
0 S  1000  1446  1440  0  80   0 -  1735 wait   pts/0    00:00:01 bash
0 R  1000  2030  1446  0  80   0 -  1123 -      pts/0    00:00:00 ps
jayesh@jayesh-VirtualBox:~$
```

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