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1. [1] **Did you setup Cloudera development environment on your machine?**
   Please mention whether you'll be using VMWare or VirtualBox or Docker.

2. [2] **What is the meaning of $HOME in your VM environment?**

3. [2] **What is the meaning of *SUDO* in Unix/Linux environment?**

4. [5] **Write and briefly explain any 5 Unix/Linux commands.**
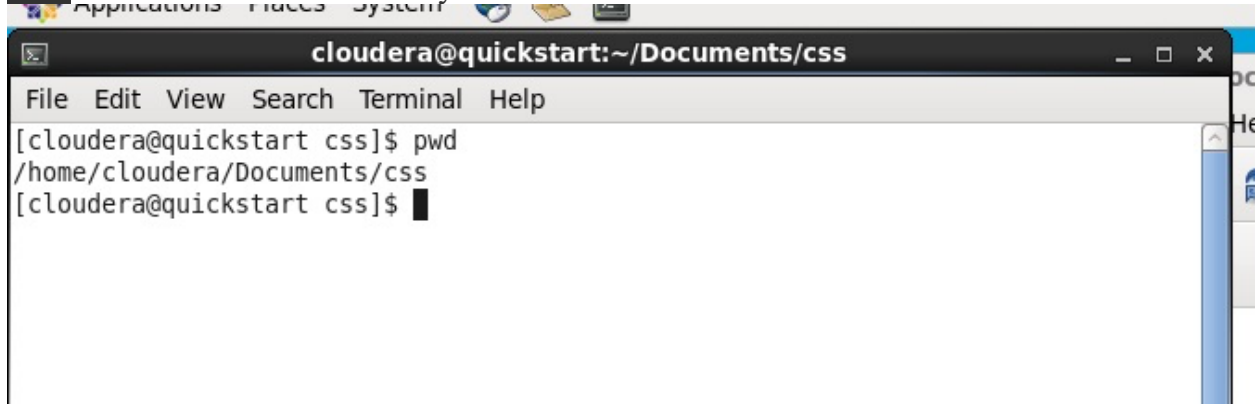   Paste screenshots of the results of executing these 5 commands in the *"terminal"*

Solutions:

1. Yes, I have set up Cloudera development environment on my machine. And I will be using VMWare.

2. $Home is an environment variable in Linux for VM virtual Box. For simplicity, we abbreviate the location of the home directory as "$Home". Using that convention, the common folder for all virtual machines is "$Home/VirtualBox VMs"**.**

3. Sudo which is the one command to rule them all. It stands for "super user do!" As a Linux system administrator or power user, it's one of the most important commands in your arsenal.

   Sudo is a Utility or a computer program for Unix- and Linux-like based systems that allow users to run programs with the security privileges of another use, by default the superuser.
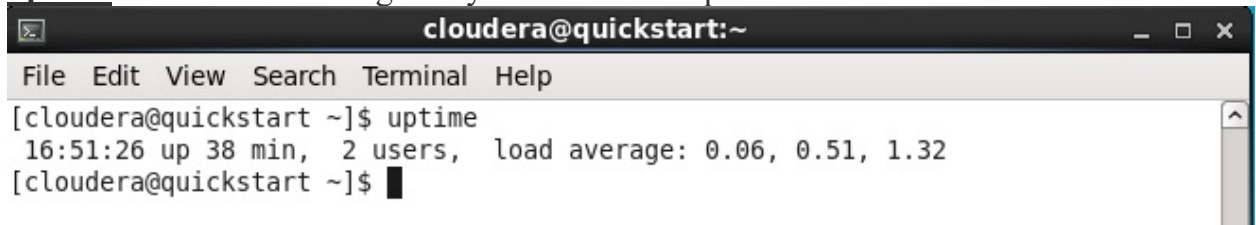

4. They are as follows:

a. **pwd** – confirm current directory

```
cloudera@quickstart:~/Documents/css                    _ □ ✕

File  Edit  View  Search  Terminal  Help
[cloudera@quickstart css]$ pwd
/home/cloudera/Documents/css
[cloudera@quickstart css]$ ▮
```
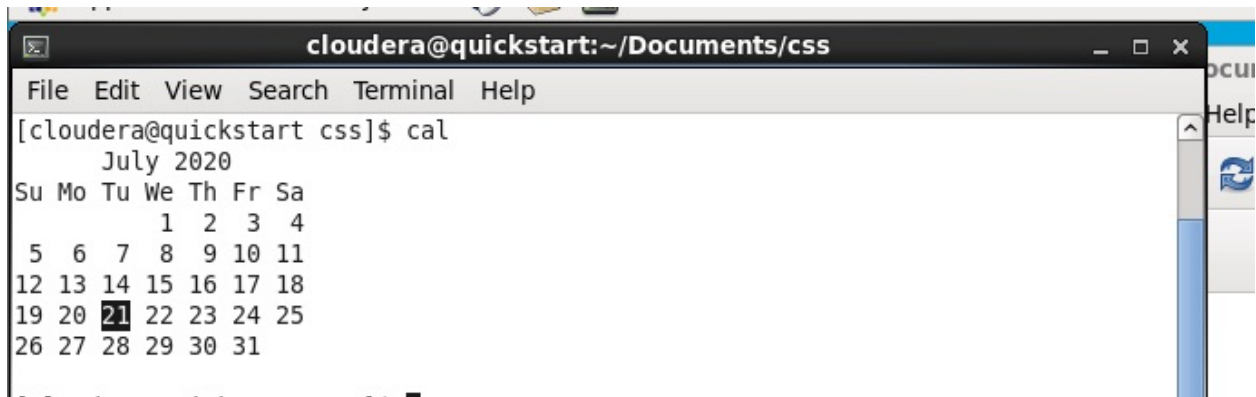
b. **uptime** – find out how long the system has been up

```
cloudera@quickstart:~                                  _ □ ✕

File  Edit  View  Search  Terminal  Help
[cloudera@quickstart ~]$ uptime
 16:51:26 up 38 min,   2 users,   load average: 0.06, 0.51, 1.32
[cloudera@quickstart ~]$ ▮
```
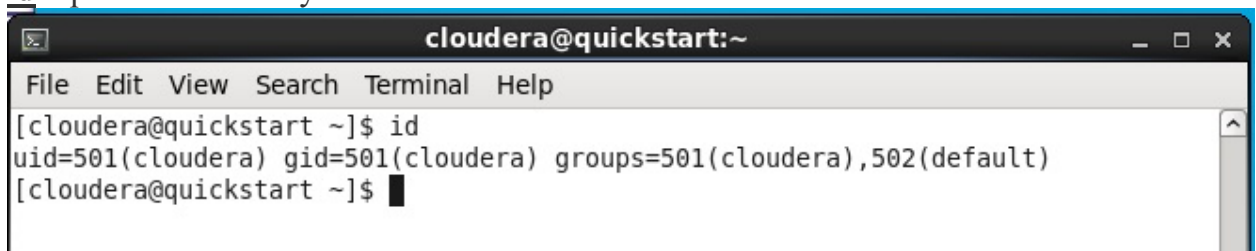
c. **cal** --shows a calendar of the current month.

```
cloudera@quickstart:~/Documents/css                    _ □ ✕

File  Edit  View  Search  Terminal  Help
[cloudera@quickstart css]$ cal
      July 2020
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
```
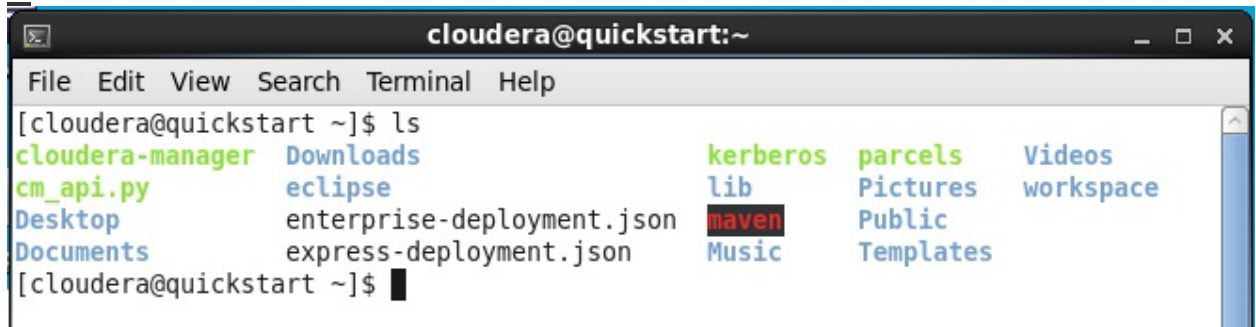
d. **id** – print user identity

```
cloudera@quickstart:~                                  _ □ ✕

File  Edit  View  Search  Terminal  Help
[cloudera@quickstart ~]$ id
uid=501(cloudera) gid=501(cloudera) groups=501(cloudera),502(default)
[cloudera@quickstart ~]$ ▮
```

e. **ls** – list files and directories


```
[cloudera@quickstart ~]$ ls
cloudera-manager    Downloads                    kerberos    parcels      Videos
cm_api.py           eclipse                      lib         Pictures     workspace
Desktop             enterprise-deployment.json   maven       Public
Documents           express-deployment.json      Music       Templates
[cloudera@quickstart ~]$
```