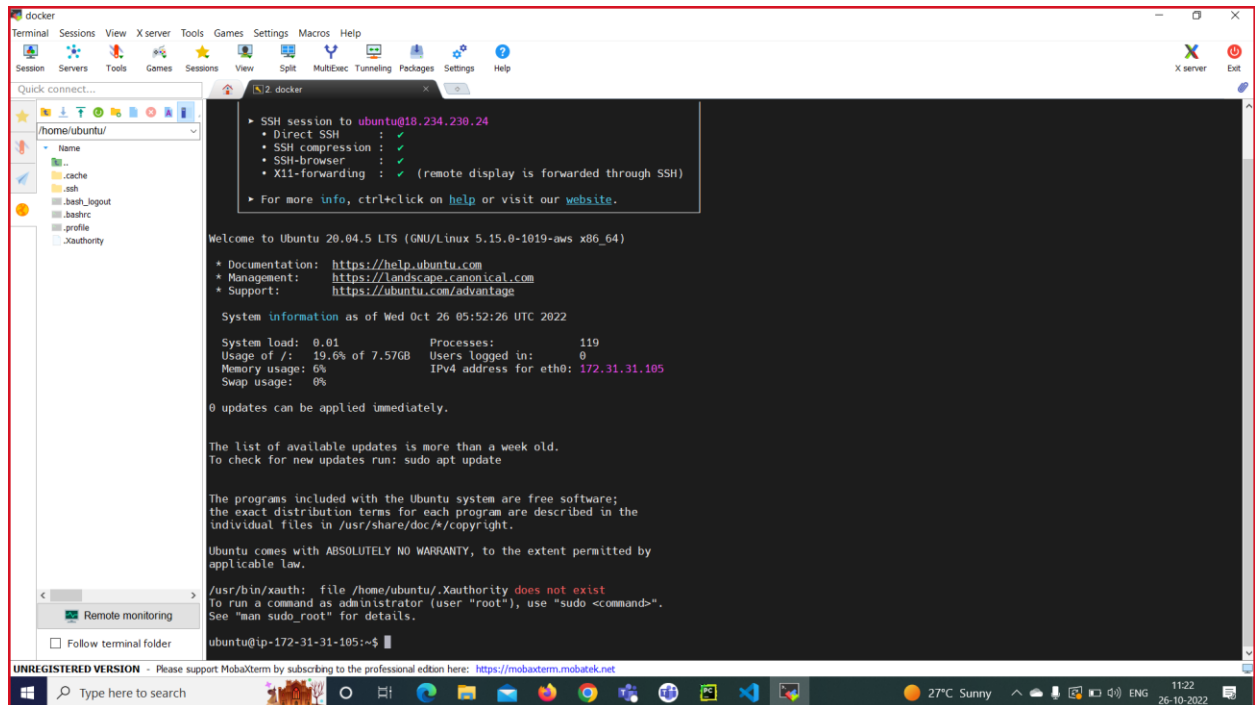
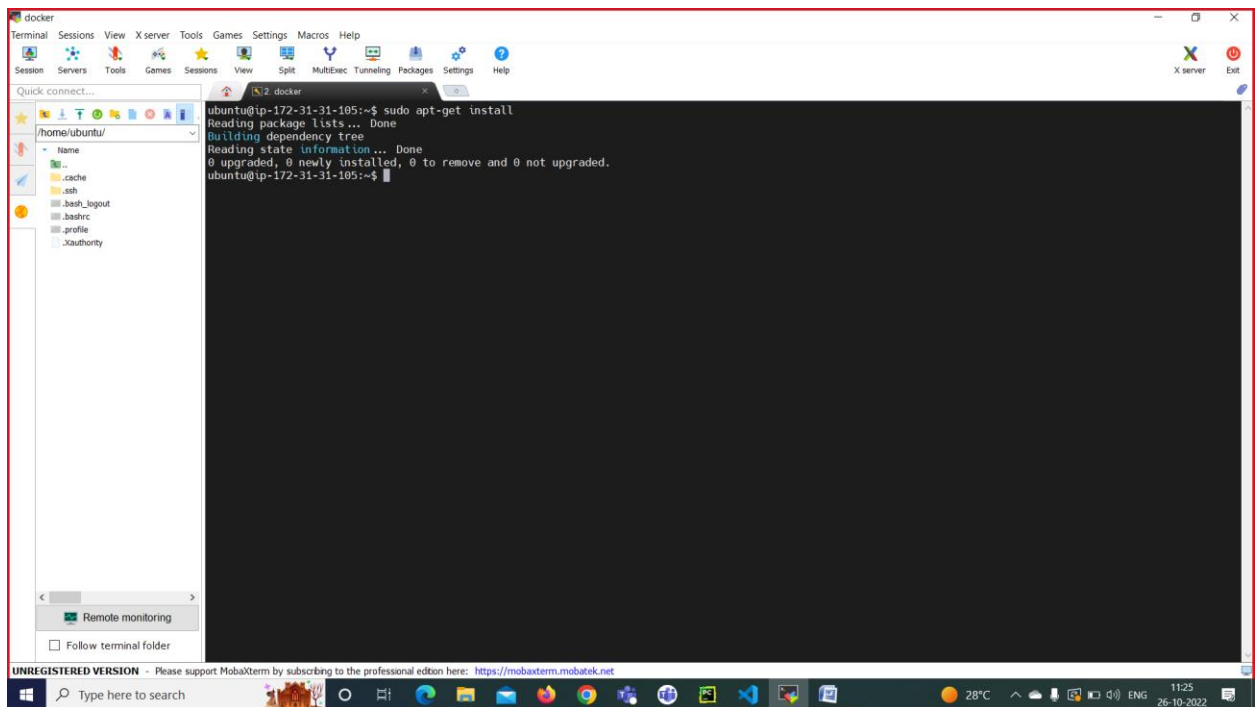


TASK DAY 2 docker

TO START THE SESSION



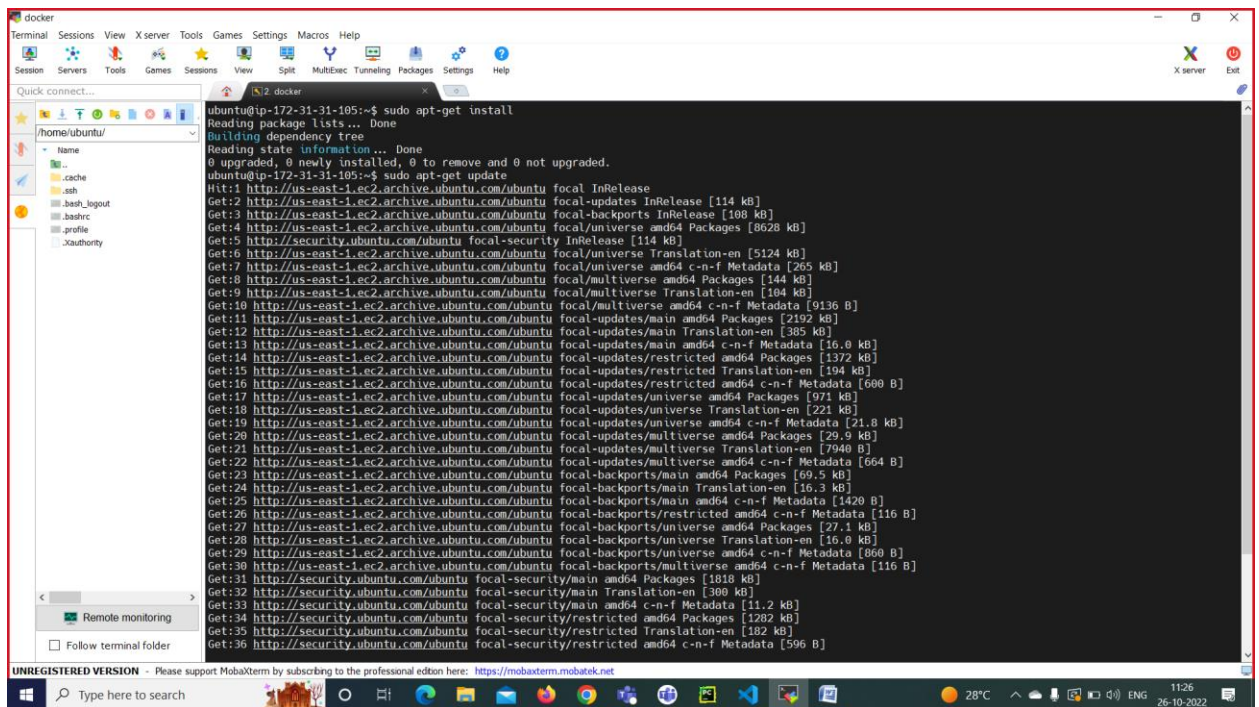
1.Sudo apt-get install



The screenshot shows a terminal window titled 'docker' with a menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help) and a toolbar. The left sidebar shows a file explorer for '/home/ubuntu/' with files like .cache, .ash, .bash_logout, .bashrc, .profile, and .xauthority. The terminal output shows the command 'sudo apt-get install' being executed on a system with IP 172-31-31-105. The output indicates that package lists are being read, a dependency tree is being built, and state information is being read. The final status shows 0 upgraded, 0 newly installed, 0 to remove, and 0 not upgraded. The terminal window is part of a desktop environment with a taskbar at the bottom showing various application icons, system status (28°C, 11:25, 26-10-2022), and language (ENG).

```
ubuntu@ip-172-31-31-105:~$ sudo apt-get install
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-31-105:~$
```

2.Sudo apt-get update

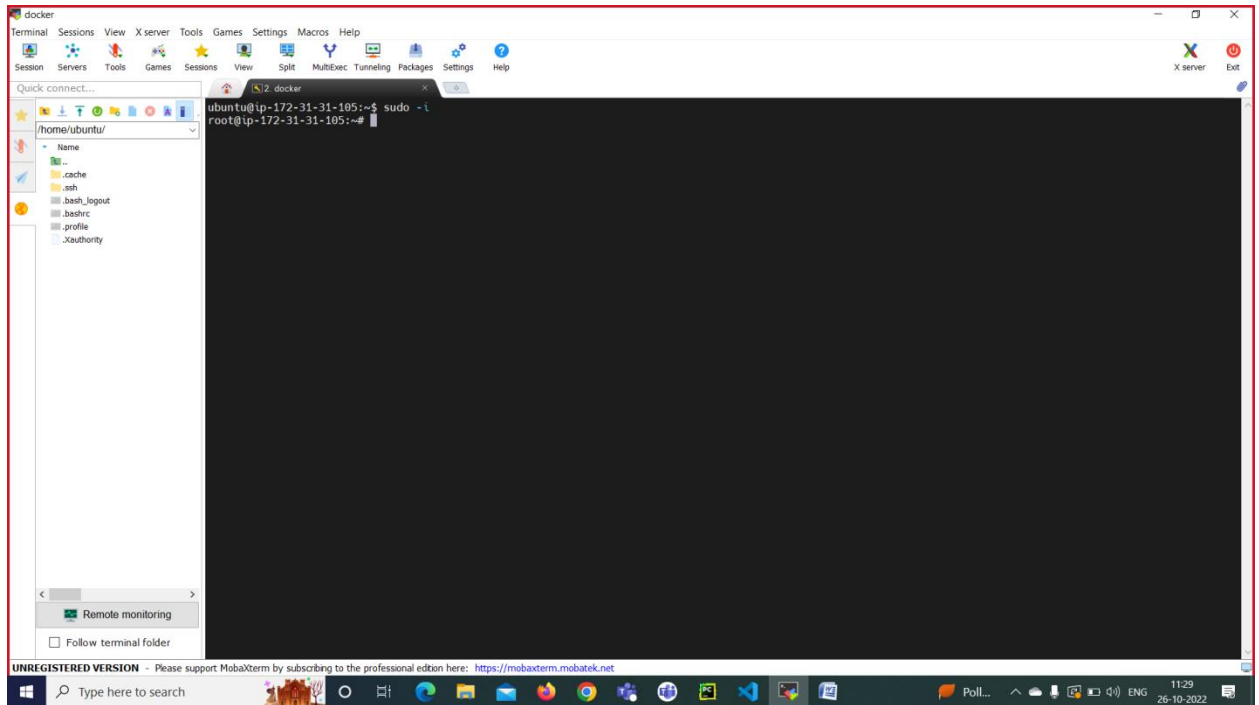


The screenshot shows a Docker terminal window with the following content:

```
ubuntu@ip-172-31-31-105:~$ sudo apt-get install
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-31-105:~$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:5 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2192 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [385 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [16.0 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1372 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [194 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [608 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [971 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [221 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [21.8 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [29.9 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7948 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [664 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [69.5 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [27.1 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.0 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [860 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1818 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [300 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [11.2 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1282 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [182 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [596 B]
```

The terminal window is titled 'docker' and shows the output of the 'sudo apt-get update' command. The output lists the sources and the packages being updated, including focal, focal-updates, focal-backports, focal/universe, focal-security, focal-updates/main, focal-updates/restricted, focal-updates/universe, focal-updates/multiverse, focal-backports/main, focal-backports/restricted, focal-backports/universe, focal-backports/multiverse, focal-security/main, focal-security/restricted, and focal-security/main. The output also shows the size of the packages and the total size of the update.

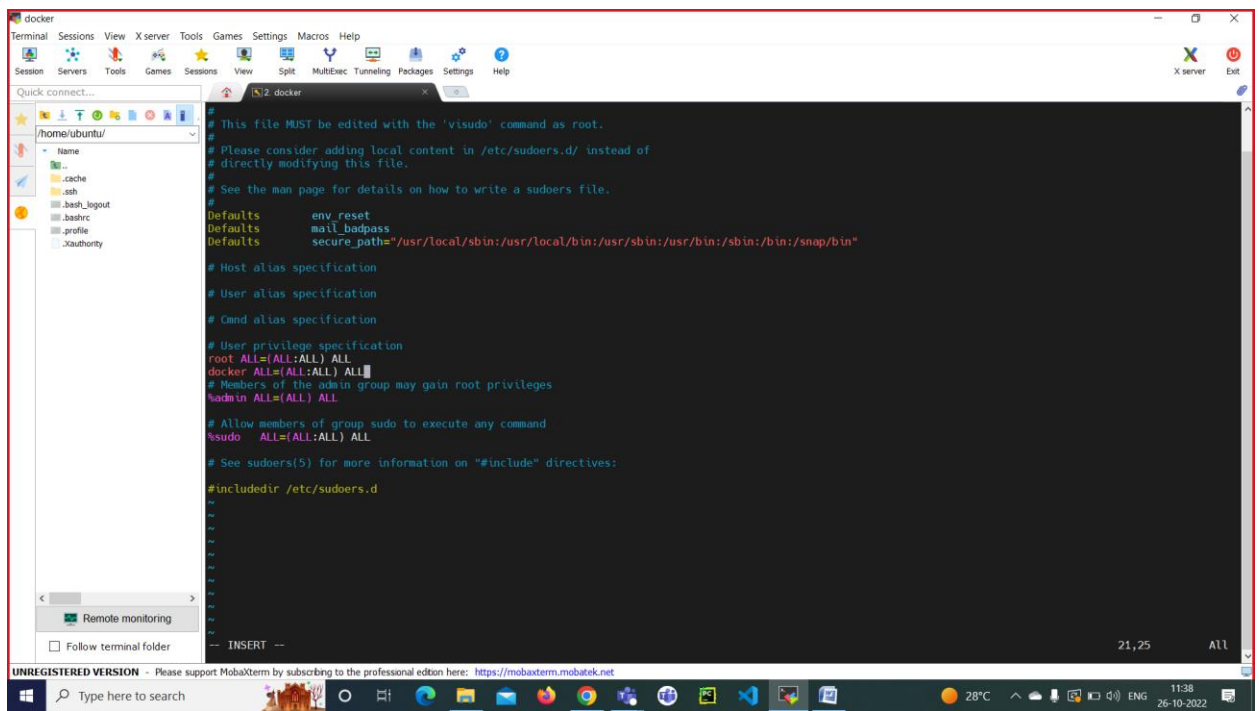
3.sudo-i



The screenshot shows a terminal window titled 'docker' with a menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help) and a toolbar. On the left, a sidebar shows a file explorer for '/home/ubuntu/' with files like .cache, .ash, .bash_logout, .bashrc, .profile, and .xauthority. The terminal pane shows the command 'sudo -i' being executed, resulting in a root prompt: 'root@ip-172-31-31-105:~#'. The bottom status bar indicates 'UNREGISTERED VERSION' and provides a link to the professional edition.

```
ubuntu@ip-172-31-31-105:~$ sudo -i
root@ip-172-31-31-105:~#
```

4. vi /etc/sudoers



The screenshot shows the same terminal window as before, but now displaying the contents of the /etc/sudoers file. The file is being viewed in a vi editor. The content includes comments about editing the file, default settings for env_reset, mail_badpass, and secure_path, and privilege specifications for root, docker, and sudo. The bottom status bar is the same as in the previous screenshot.

```
# This file MUST be edited with the 'visudo' command as root.
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
# See the man page for details on how to write a sudoers file.
#
Defaults    env_reset
Defaults    mail_badpass
Defaults    secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin"

# Host alias specification

# User alias specification

# Cmnd alias specification

# User privilege specification
root ALL=(ALL:ALL) ALL
docker ALL=(ALL:ALL) ALL
# Members of the admin group may gain root privileges
wheelin ALL=(ALL) ALL

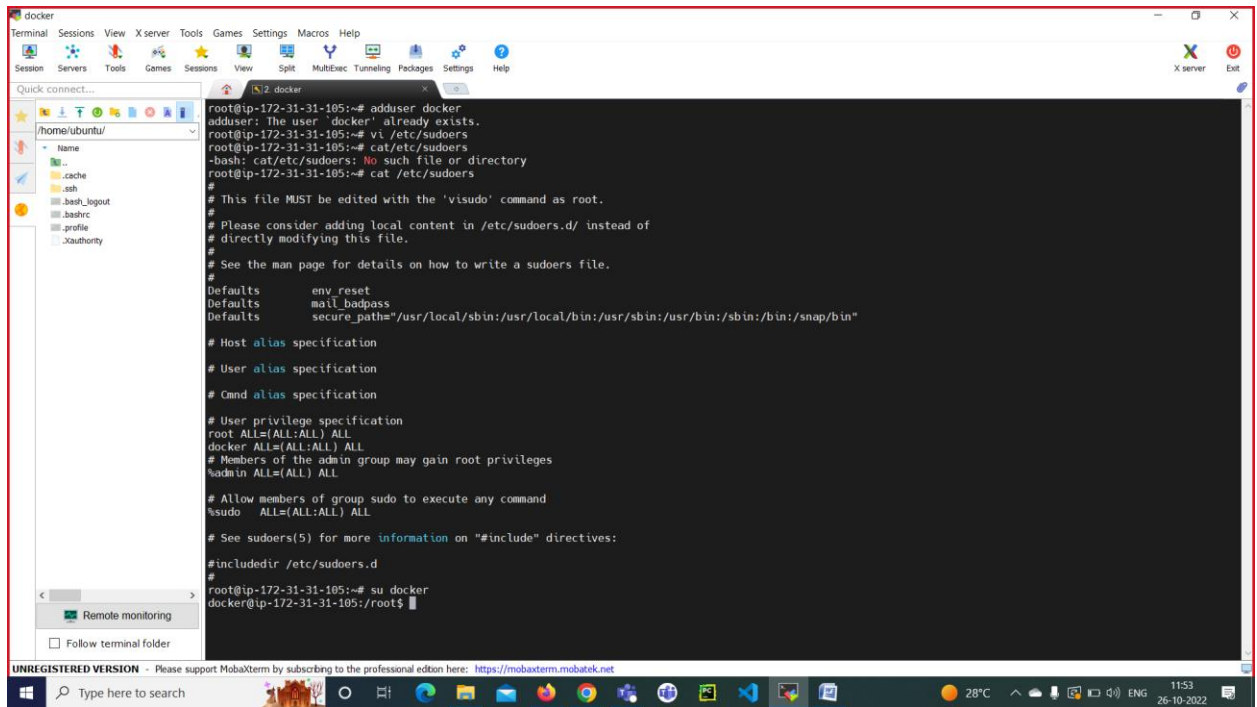
# Allow members of group sudo to execute any command
%sudo  ALL=(ALL:ALL) ALL

# See sudoers(5) for more information on "#include" directives:

#include /etc/sudoers.d

-- INSERT --
```

5.cat /etc/sudoers



```
root@ip-172-31-31-105:~# adduser docker
adduser: The user 'docker' already exists.
root@ip-172-31-31-105:~# vi /etc/sudoers
root@ip-172-31-31-105:~# cat /etc/sudoers
-bash: cat /etc/sudoers: No such file or directory
root@ip-172-31-31-105:~# cat /etc/sudoers
#
# This file MUST be edited with the 'visudo' command as root.
#
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
#
# See the man page for details on how to write a sudoers file.
#
Defaults        env_reset
Defaults        mail_badpass
Defaults        secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin"

# Host alias specification

# User alias specification

# Cmnd alias specification

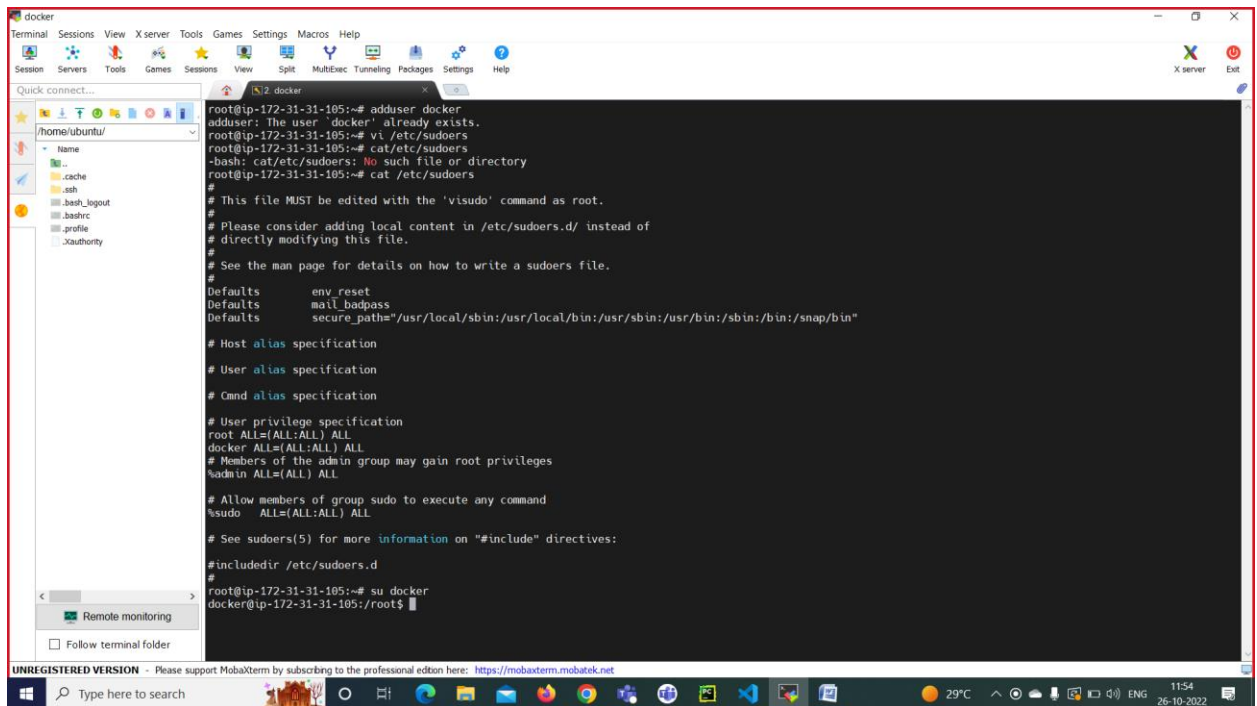
# User privilege specification
root ALL=(ALL:ALL) ALL
docker ALL=(ALL:ALL) ALL
# Members of the admin group may gain root privileges
%admin ALL=(ALL) ALL

# Allow members of group sudo to execute any command
%sudo  ALL=(ALL:ALL) ALL

# See sudoers(5) for more information on "#include" directives:

#includedir /etc/sudoers.d
#
root@ip-172-31-31-105:~# su docker
docker@ip-172-31-31-105:/root$
```

6.su docker



```
root@ip-172-31-31-105:~# adduser docker
adduser: The user 'docker' already exists.
root@ip-172-31-31-105:~# vi /etc/sudoers
root@ip-172-31-31-105:~# cat /etc/sudoers
-bash: cat /etc/sudoers: No such file or directory
root@ip-172-31-31-105:~# cat /etc/sudoers
#
# This file MUST be edited with the 'visudo' command as root.
#
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
#
# See the man page for details on how to write a sudoers file.
#
Defaults        env_reset
Defaults        mail_badpass
Defaults        secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin"

# Host alias specification

# User alias specification

# Cmnd alias specification

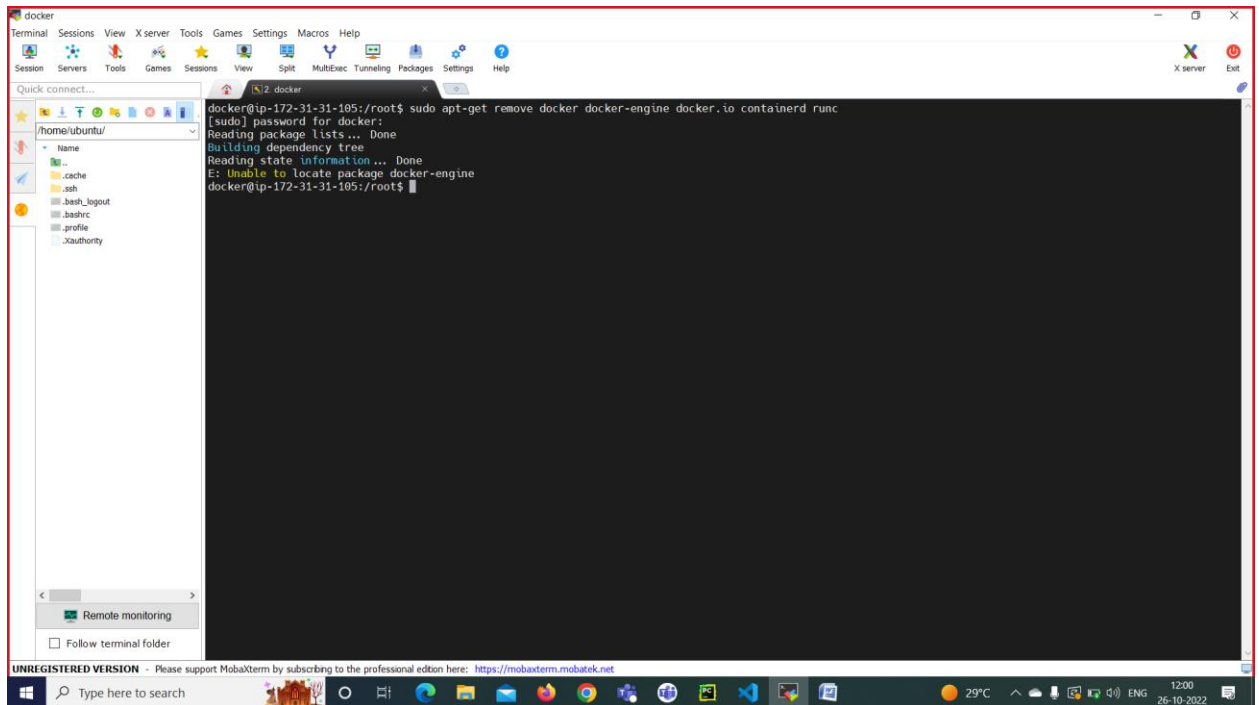
# User privilege specification
root ALL=(ALL:ALL) ALL
docker ALL=(ALL:ALL) ALL
# Members of the admin group may gain root privileges
%admin ALL=(ALL) ALL

# Allow members of group sudo to execute any command
%sudo  ALL=(ALL:ALL) ALL

# See sudoers(5) for more information on "#include" directives:

#includedir /etc/sudoers.d
#
root@ip-172-31-31-105:~# su docker
docker@ip-172-31-31-105:/root$
```

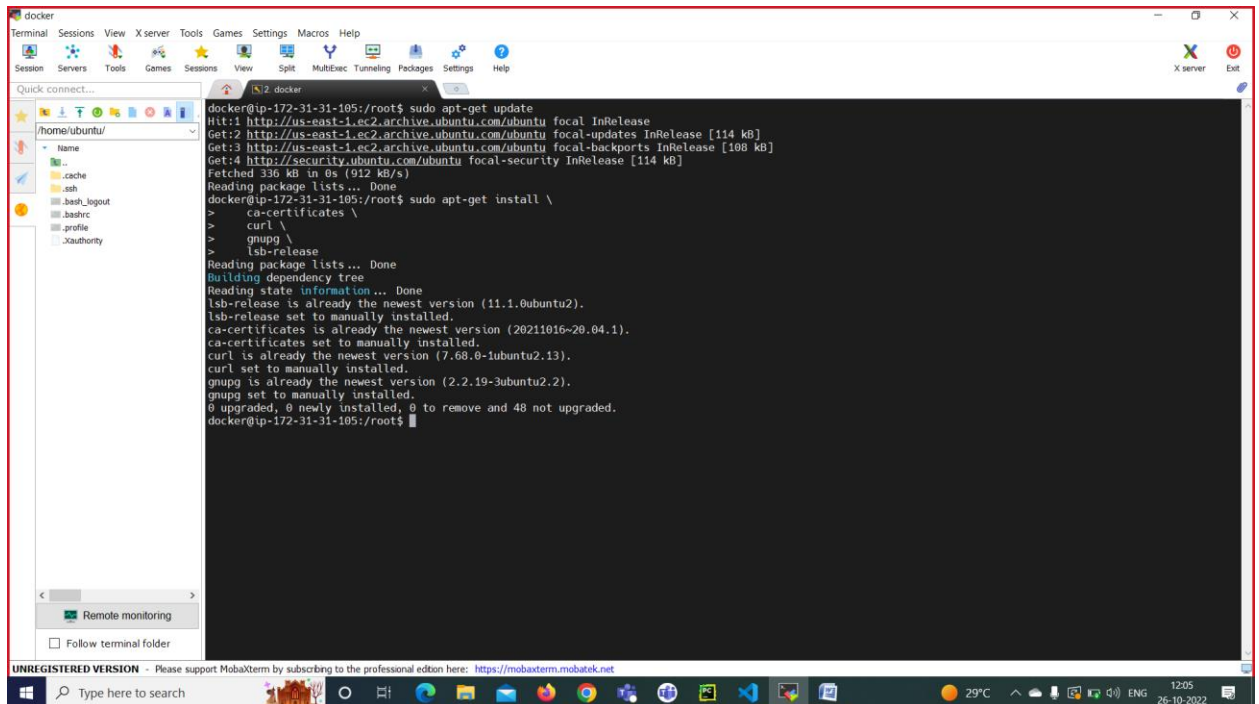
7. uninstall the old version



The screenshot shows a terminal window titled 'docker' with a menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help) and a toolbar. On the left, there's a 'Quick connect...' sidebar with a file explorer showing the path '/home/ubuntu/'. The terminal output shows the command 'sudo apt-get remove docker docker-engine docker.io containerd runc' being executed. The output indicates that the packages were successfully removed, although there is a warning about not being able to locate the package 'docker-engine'.

```
docker@ip-172-31-31-105:/root$ sudo apt-get remove docker docker-engine docker.io containerd runc
[sudo] password for docker:
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package docker-engine
docker@ip-172-31-31-105:/root$
```

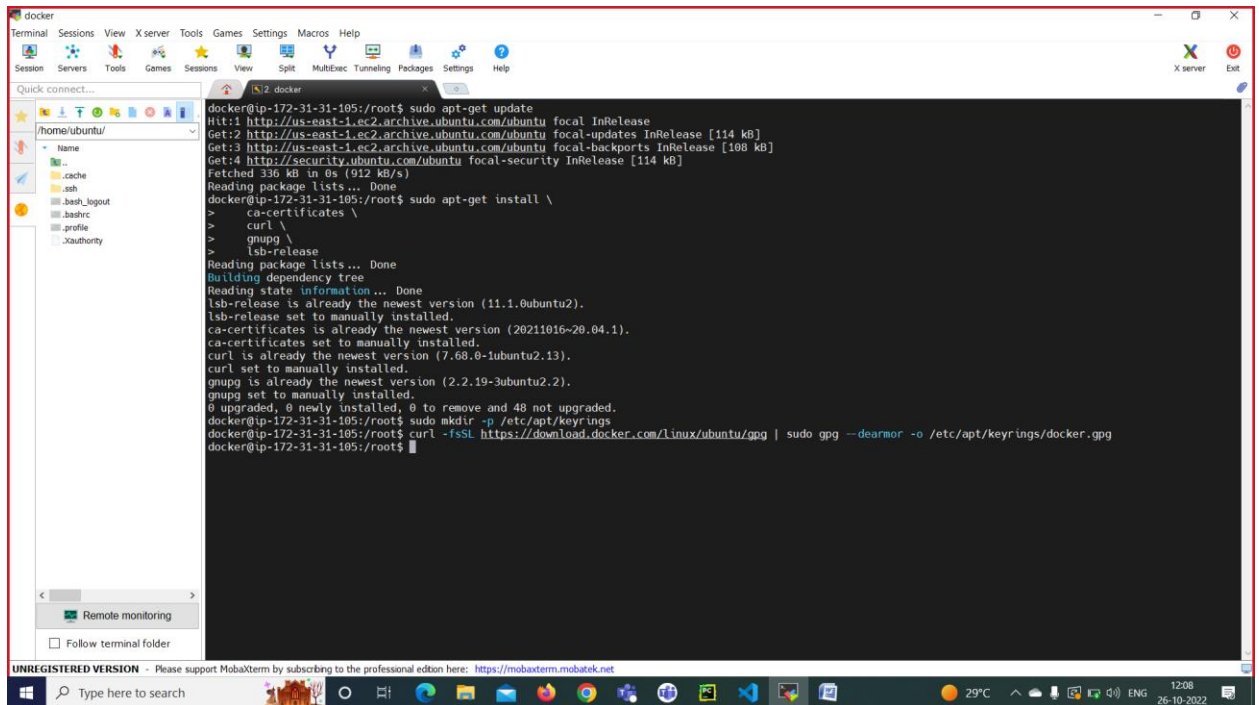
8.set up the repository



The screenshot shows a terminal window titled 'docker' with the same menu bar and toolbar as the previous image. The terminal output shows the command 'sudo apt-get update' being executed, followed by 'sudo apt-get install ca-certificates curl gnupg lsb-release'. The output indicates that the packages were successfully installed, and the system is now ready to add the Docker repository.

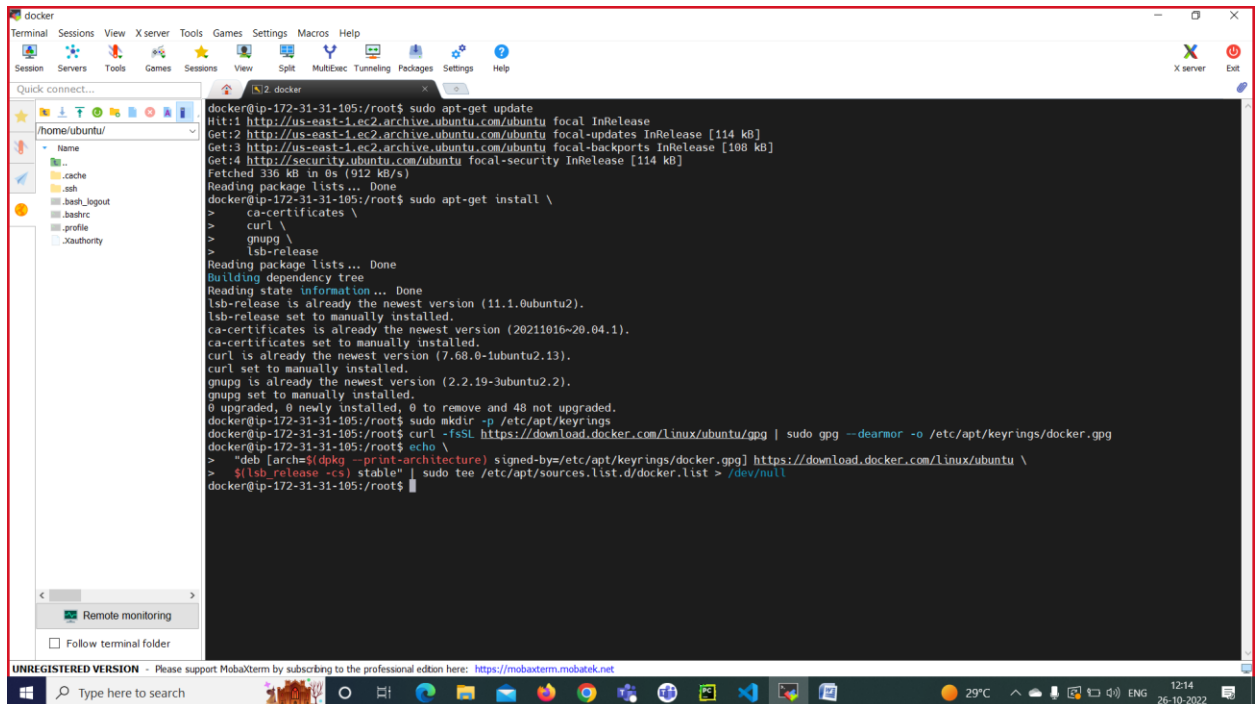
```
docker@ip-172-31-31-105:/root$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Fetched 336 kB in 0s (912 kB/s)
Reading package lists... Done
docker@ip-172-31-31-105:/root$ sudo apt-get install \
ca-certificates \
curl \
gnupg \
lsb-release
Reading package lists... Done
Building dependency tree
Reading state information... Done
lsb-release is already the newest version (11.1.0ubuntu2).
lsb-release set to manually installed.
ca-certificates is already the newest version (20211016-20.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.68.0-1ubuntu2.13).
curl set to manually installed.
gnupg is already the newest version (2.2.19-3ubuntu2.2).
gnupg set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 48 not upgraded.
docker@ip-172-31-31-105:/root$
```


9. install gps key



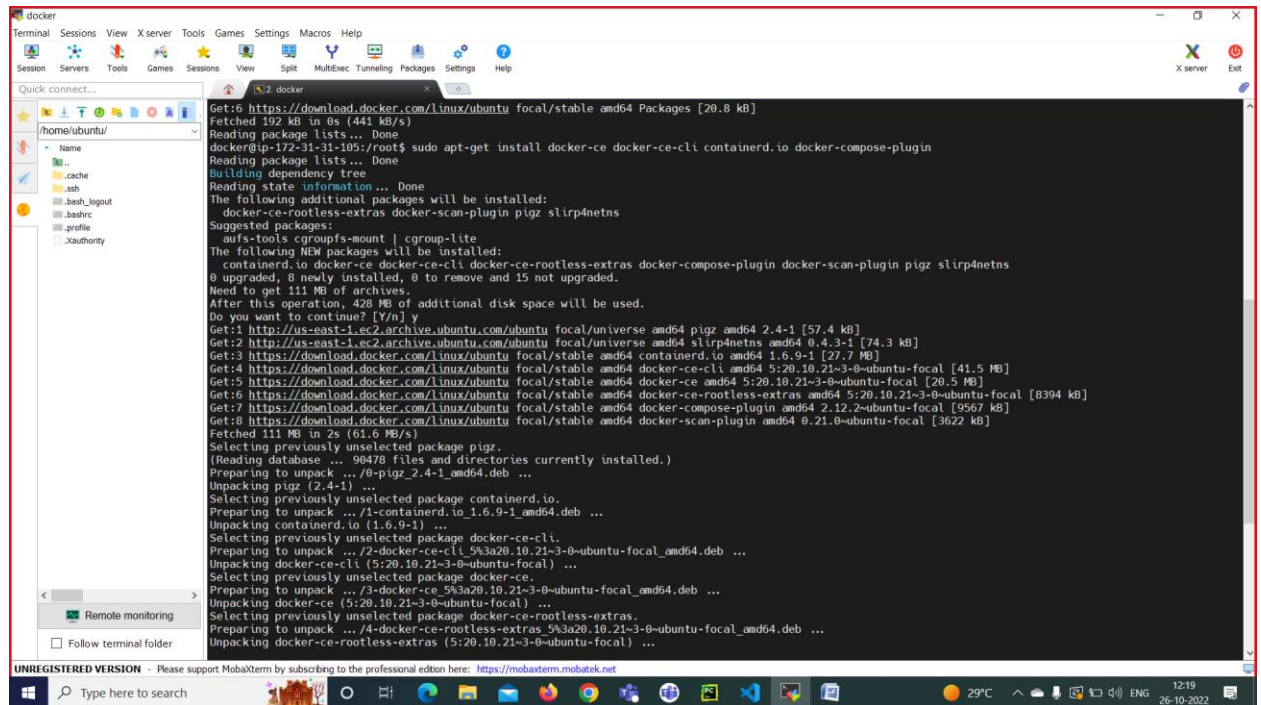
```
docker@ip-172-31-31-105:/root$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Fetched 336 kB in 0s (912 kB/s)
Reading package lists... Done
docker@ip-172-31-31-105:/root$ sudo apt-get install \
> ca-certificates \
> curl \
> gnupg \
> lsb-release
Reading package lists... Done
Building dependency tree
Reading state information... Done
lsb-release is already the newest version (11.1.0ubuntu2).
lsb-release set to manually installed.
ca-certificates is already the newest version (20211016-20.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.68.0-1ubuntu2.13).
curl set to manually installed.
gnupg is already the newest version (2.2.19-3ubuntu2.2).
gnupg set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 48 not upgraded.
docker@ip-172-31-31-105:/root$ sudo mkdir -p /etc/apt/keyrings
docker@ip-172-31-31-105:/root$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
docker@ip-172-31-31-105:/root$
```

10. set up the repository



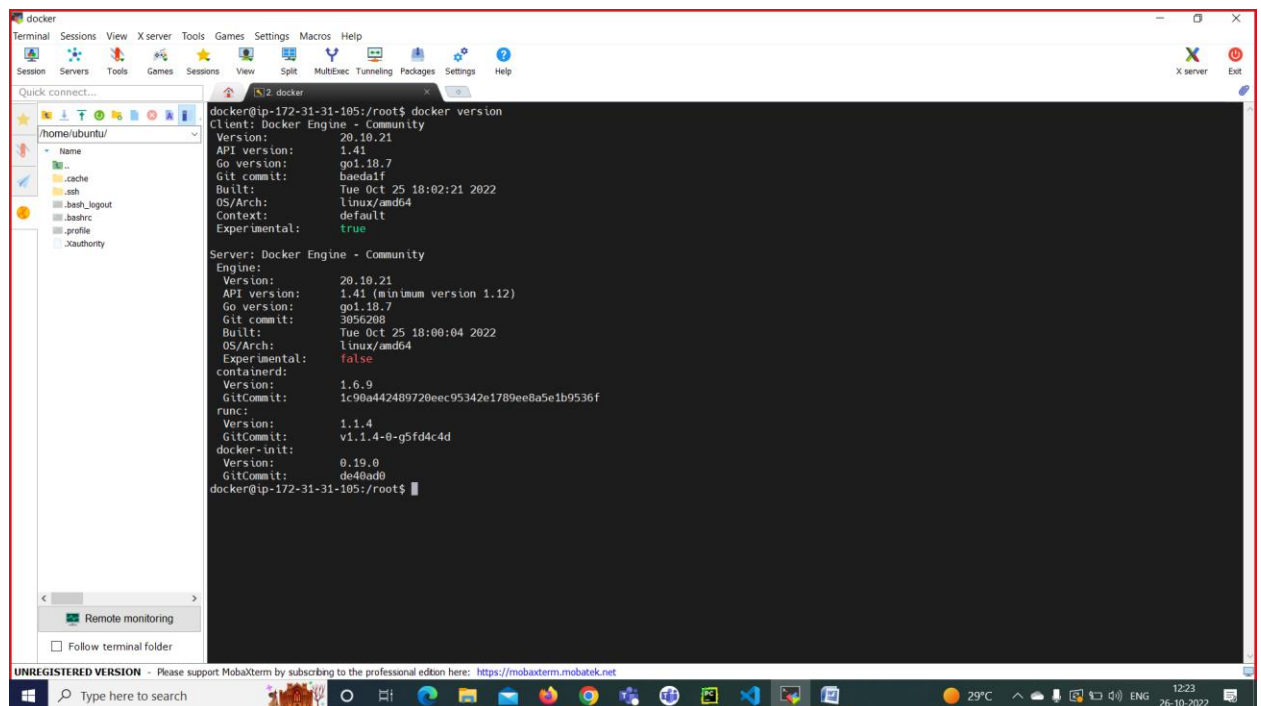
```
docker@ip-172-31-31-105:/root$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Fetched 336 kB in 0s (912 kB/s)
Reading package lists... Done
docker@ip-172-31-31-105:/root$ sudo apt-get install \
> ca-certificates \
> curl \
> gnupg \
> lsb-release
Reading package lists... Done
Building dependency tree
Reading state information... Done
lsb-release is already the newest version (11.1.0ubuntu2).
lsb-release set to manually installed.
ca-certificates is already the newest version (20211016-20.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.68.0-1ubuntu2.13).
curl set to manually installed.
gnupg is already the newest version (2.2.19-3ubuntu2.2).
gnupg set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 48 not upgraded.
docker@ip-172-31-31-105:/root$ sudo mkdir -p /etc/apt/keyrings
docker@ip-172-31-31-105:/root$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
docker@ip-172-31-31-105:/root$ echo \
> "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \
> $!lsb_release -cs stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
docker@ip-172-31-31-105:/root$
```

11. to install latest version



```
Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [20.8 kB]
Fetched 192 kB in 0s (441 kB/s)
Reading package lists... Done
docker@ip-172-31-31-105:/root$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  docker-ce-rootless-extras docker-scan-plugin pigz slirp4netns
Suggested packages:
  aufs-tools cgroupfs-mount | cgroup-lite
The following NEW packages will be installed:
  containerd.io docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin docker-scan-plugin pigz slirp4netns
0 upgraded, 8 newly installed, 0 to remove and 15 not upgraded.
Need to get 111 MB of archives.
After this operation, 428 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 slirp4netns amd64 0.4.3-1 [74.3 kB]
Get:3 https://download.docker.com/linux/ubuntu focal/stable amd64 containerd.io amd64 1.6.9-1 [27.7 MB]
Get:4 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:20.10.21~3-0-ubuntu-focal [41.5 MB]
Get:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:20.10.21~3-0-ubuntu-focal [20.5 MB]
Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-rootless-extras amd64 5:20.10.21~3-0-ubuntu-focal [8394 kB]
Get:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-compose-plugin amd64 2.12.2-ubuntu-focal [9567 kB]
Get:8 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-scan-plugin amd64 0.21.0-ubuntu-focal [3622 kB]
Fetched 111 MB in 2s (61.6 MB/s)
Selecting previously unselected package pigz.
(Reading database ... 90478 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...
Unpacking pigz (2.4-1) ...
Selecting previously unselected package containerd.io.
Preparing to unpack .../1-containerd.io_1.6.9-1_amd64.deb ...
Unpacking containerd.io (1.6.9-1) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../2-docker-ce-cli_5%3a20.10.21~3-0-ubuntu-focal_amd64.deb ...
Unpacking docker-ce-cli (5:20.10.21~3-0-ubuntu-focal) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../3-docker-ce_5%3a20.10.21~3-0-ubuntu-focal_amd64.deb ...
Unpacking docker-ce (5:20.10.21~3-0-ubuntu-focal) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../4-docker-ce-rootless-extras_5%3a20.10.21~3-0-ubuntu-focal_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:20.10.21~3-0-ubuntu-focal) ...
```

12. docker version



```
docker@ip-172-31-31-105:/root$ docker version
Client: Docker Engine - Community
Version: 20.10.21
API version: 1.41
Go version: go1.18.7
Git commit: baeda1f
Built: Tue Oct 25 18:02:21 2022
OS/Arch: linux/amd64
Context: default
Experimental: true

Server: Docker Engine - Community
Engine:
Version: 20.10.21
API version: 1.41 (minimum version 1.12)
Go version: go1.18.7
Git commit: 3056208
Built: Tue Oct 25 18:00:04 2022
OS/Arch: linux/amd64
Experimental: false
containerd:
Version: 1.6.9
GitCommit: 1c90a442489720e0c95342e1789ee8a5e1b9536f
runc:
Version: 1.1.4
GitCommit: v1.1.4-0-g5fd4c4d
docker-init:
Version: 0.19.0
GitCommit: de40a49
docker@ip-172-31-31-105:/root$
```

13.service docker status


```
docker
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split Multitab Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
.ccache
.cash
.bash_logout
.bashrc
.profile
.xauthority
docker@ip-172-31-31-105:/root$ docker version
Client: Docker Engine - Community
Version: 20.10.21
API version: 1.41
Go version: go1.18.7
Git commit: baeda1f
Built: Tue Oct 25 18:02:21 2022
OS/Arch: linux/amd64
Context: default
Experimental: true

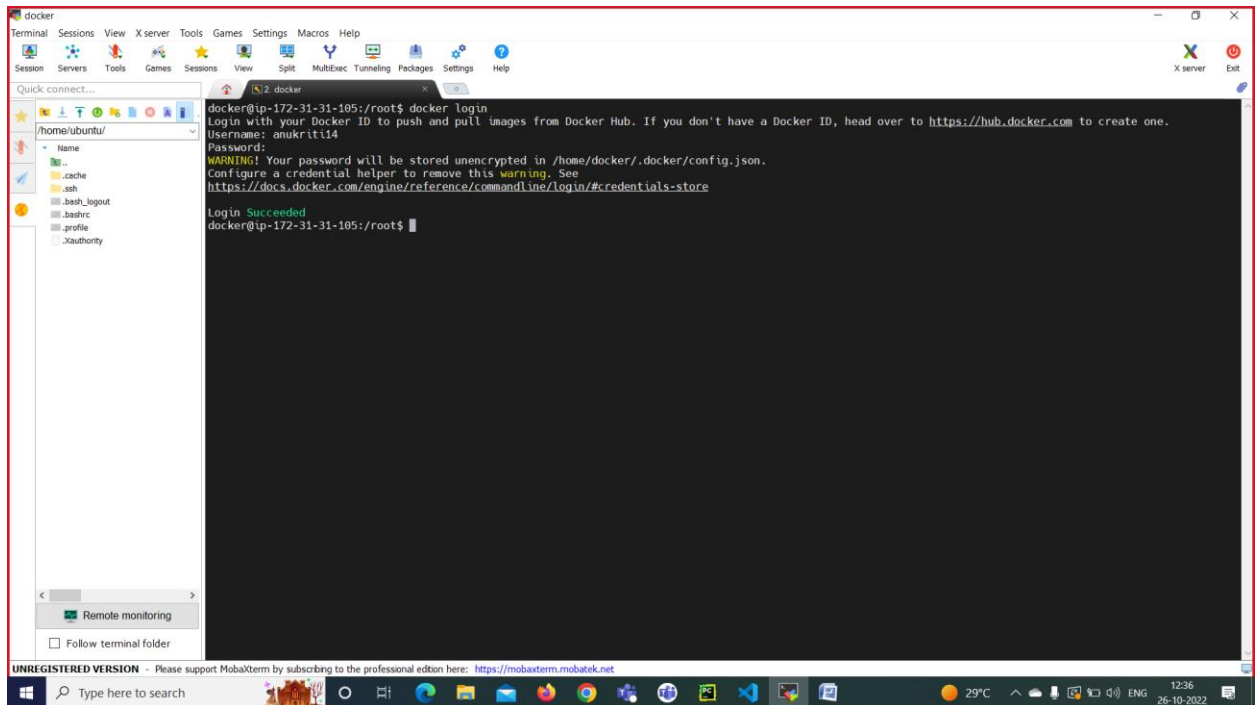
Server: Docker Engine - Community
Engine:
Version: 20.10.21
API version: 1.41 (minimum version 1.12)
Go version: go1.18.7
Git commit: 3056208
Built: Tue Oct 25 18:00:04 2022
OS/Arch: linux/amd64
Experimental: false
containerd:
Version: 1.6.9
GitCommit: 1c90a442489720e0c95342e1789ee8a5e1b9536f
runc:
Version: 1.1.4
GitCommit: v1.1.4-0-g5fd4c4d
docker-init:
Version: 0.19.0
GitCommit: de40ad0
docker@ip-172-31-31-105:/root$ service docker status
● docker.service - Docker Application Container Engine
Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
Active: active (running) since Wed 2022-10-26 06:49:20 UTC; 6min ago
TriggeredBy: ● docker.socket
Docs: https://docs.docker.com
Main PID: 25033 (dockerd)
Tasks: 8
Memory: 21.2M
CGroup: /system.slice/docker.service
L-25033 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock
docker@ip-172-31-31-105:/root$
```

14.docker info

```
docker
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split Multitab Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
.ccache
.cash
.bash_logout
.bashrc
.profile
.xauthority
docker@ip-172-31-31-105:/root$ docker info
Client:
Context: default
Debug Mode: false
Plugins:
app: Docker App (Docker Inc., v0.9.1-beta3)
buildx: Docker Buildx (Docker Inc., v0.9.1-docker)
compose: Docker Compose (Docker Inc., v2.12.2)
scan: Docker Scan (Docker Inc., v0.21.0)

Server:
Containers: 0
Running: 0
Paused: 0
Stopped: 0
Images: 0
Server Version: 20.10.21
Storage Driver: overlay2
Backing Filesystem: extfs
Supports d_type: true
Native Overlay Diff: true
userxattr: false
Logging Driver: json-file
Cgroup Driver: cgroupfs
Cgroup Version: 1
Plugins:
Volume: local
Network: bridge host ipvlan macvlan null overlay
Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog
Swarm: inactive
Runtimes: io.containerd.runc.v2 io.containerd.runtime.v1.linux runc
Default Runtime: runc
Init Binary: dockerd
containerd version: 1c90a442489720e0c95342e1789ee8a5e1b9536f
runc version: v1.1.4-0-g5fd4c4d
init version: de40ad0
Security Options:
apparmor
seccomp
Profile: default
Kernel Version: 5.15.0-1019-aws
Operating System: Ubuntu 20.04.5 LTS
```

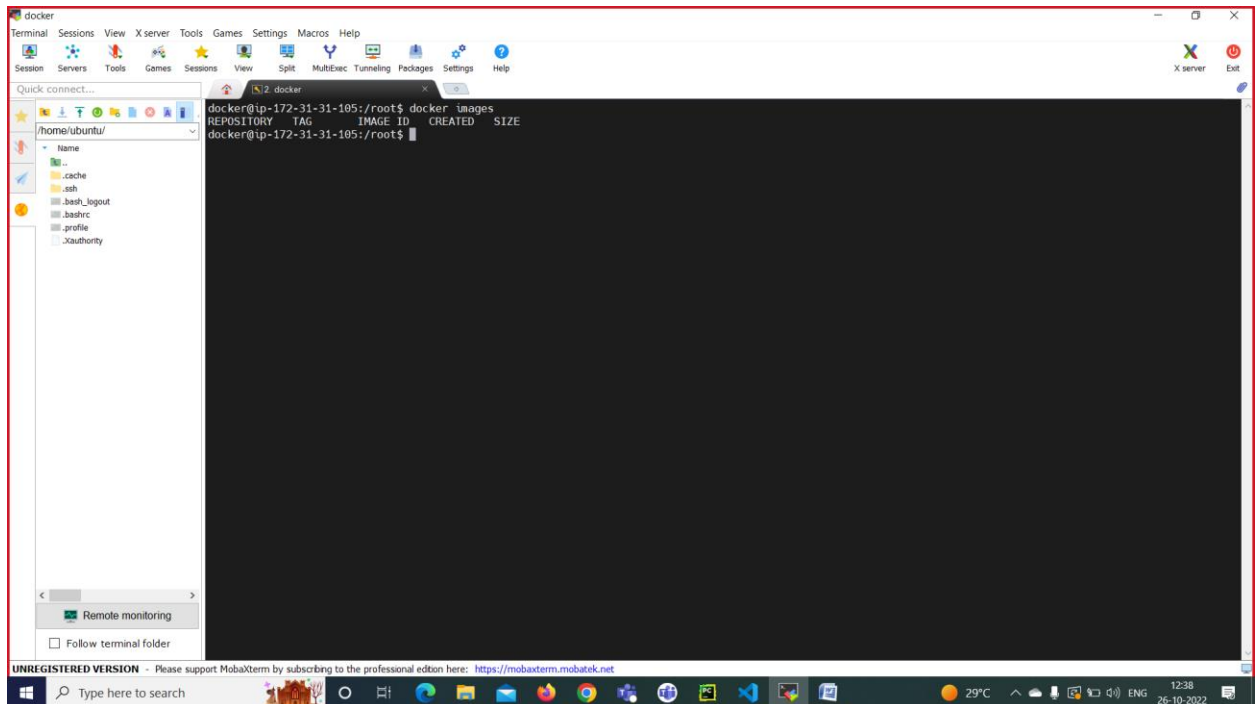
15.docker login



The screenshot shows a terminal window titled 'docker' with a menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help) and a toolbar. On the left, there's a 'Quick connect...' sidebar with a file tree for '/home/ubuntu/' containing files like .cache, .ssh, .bash_logout, .bashrc, .profile, and .Xauthority. The terminal output shows the command 'docker login' being executed. It prompts for a username ('anukriti14') and a password. A warning message states: 'WARNING! Your password will be stored unencrypted in /home/docker/.docker/config.json. Configure a credential helper to remove this warning. See https://docs.docker.com/engine/reference/commandline/login/#credentials-store'. The login is successful, and the prompt returns to 'docker@ip-172-31-31-105:/root\$'.

```
docker@ip-172-31-31-105:/root$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: anukriti14
Password:
WARNING! Your password will be stored unencrypted in /home/docker/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
docker@ip-172-31-31-105:/root$
```

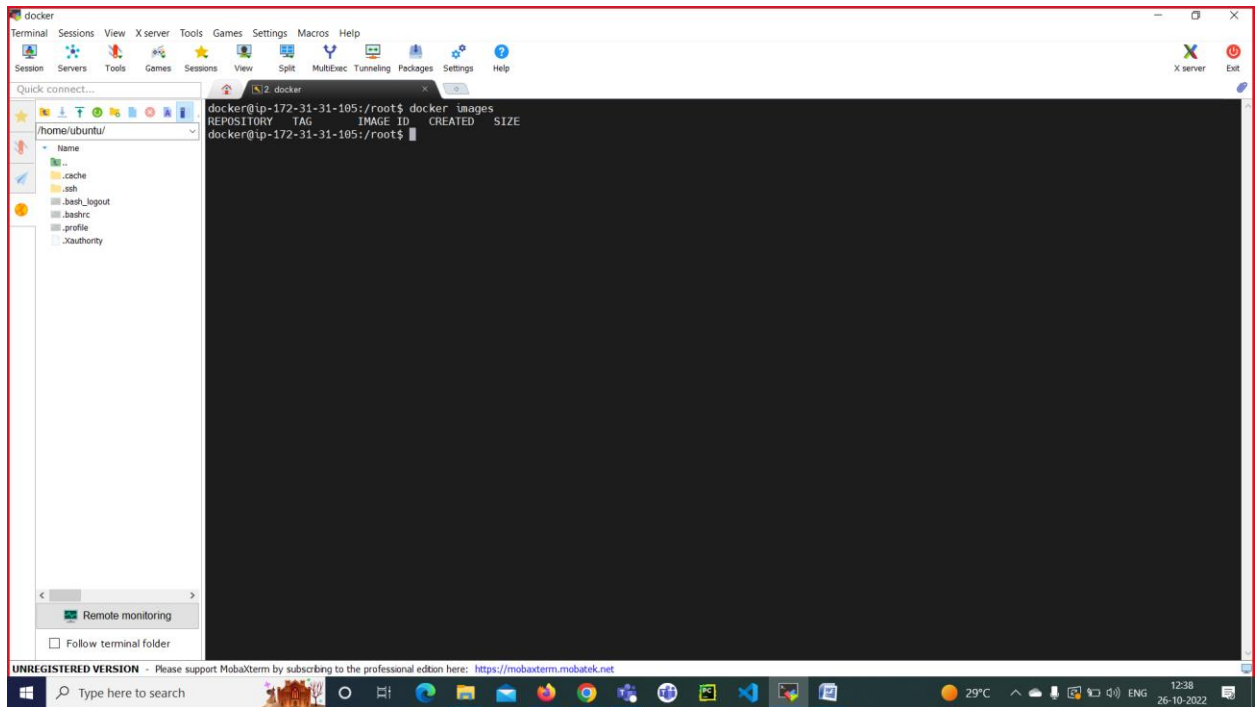
16.docker images



The screenshot shows the same terminal window as before, but now displaying the output of the 'docker images' command. The output is a table with columns: REPOSITORY, TAG, IMAGE ID, CREATED, and SIZE. The table is currently empty, showing only the headers. The prompt returns to 'docker@ip-172-31-31-105:/root\$'.

```
docker@ip-172-31-31-105:/root$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
docker@ip-172-31-31-105:/root$
```

17. docker run mysql



18. remove docker images mysql

```
docker
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split Multitrec Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
.cache
.ash
.bash_logout
.bashrc
.profile
.xauthority
docker@ip-172-31-31-105:/root$ docker rm mysql
docker: 'rm mysql' is not a docker command.
See 'docker --help'
docker@ip-172-31-31-105:/root$ docker rmi mysql
Error response from daemon: conflict: unable to remove repository reference "mysql" (must force) - container 98560d78bdd2 is using its referenced image 8fad08b3c84b
docker@ip-172-31-31-105:/root$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
mysql latest 8fad08b3c84b 4 days ago 535MB
docker@ip-172-31-31-105:/root$ docker rmi 8fad08b3c84b
Error response from daemon: conflict: unable to delete 8fad08b3c84b (must be forced) - image is being used by stopped container 98560d78bdd2
docker@ip-172-31-31-105:/root$ docker rmi -f c
docker@ip-172-31-31-105:/root$ docker rmi -f 8fad08b3c84b
unknown shorthand flag: 'b' in -f 8fad08b3c84b
See 'docker rmi --help'.
docker@ip-172-31-31-105:/root$ docker rmi -f 8fad08b3c84b
Untagged: mysql:latest
Untagged: mysql@sha256:06314a7a220f6043436cf72fd9c7f1174fd50ef69fe4b788625fa53be4ab66aa
Deleted: sha256:8fad08b3c84be3e9164f86153224ab61bbf71ee2c79677154c2e5cd3179cccfe
docker@ip-172-31-31-105:/root$
```

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