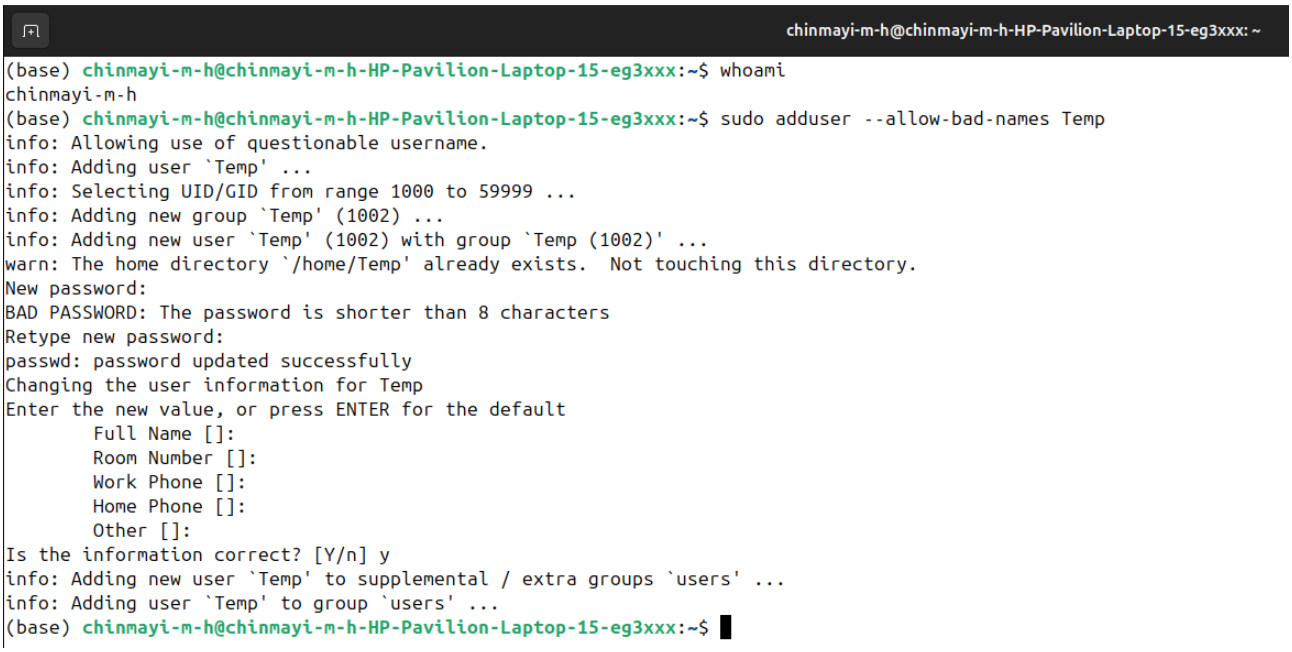
DEVOPS

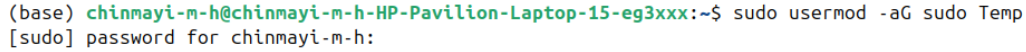
TO CHANGE THE USER NAME IN LINUX

STEP 1: Check you user name in the terminal
> whoami

STEP 2: Create a temporary user
> sudo adduser Temp

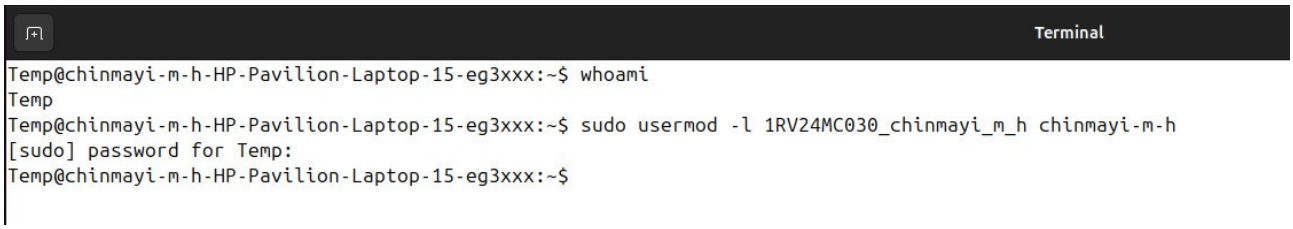


STEP 3: Give the sudo user permissions to the created user
> sudo usermod -aG sudo Temp

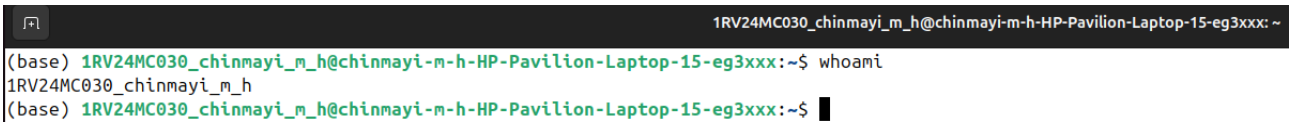


STEP 4: Logout from the current user via GUI then login to the created user “Temp”. Open the terminal and type
> whoami

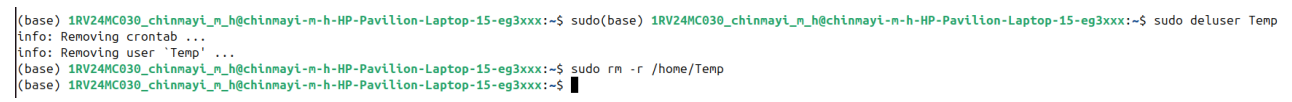
STEP 5: Then change the user name of the existing user with the user “Temp”
> sudo usermod -l 1RV24MC030_chinmayi_m_h chinmayi-m-h



STEP 6: Now logout from Temp and login to the first user open the etrminal, then you see the user name has changed to 1RV24MC030_chinmayi_m_h
> whoami



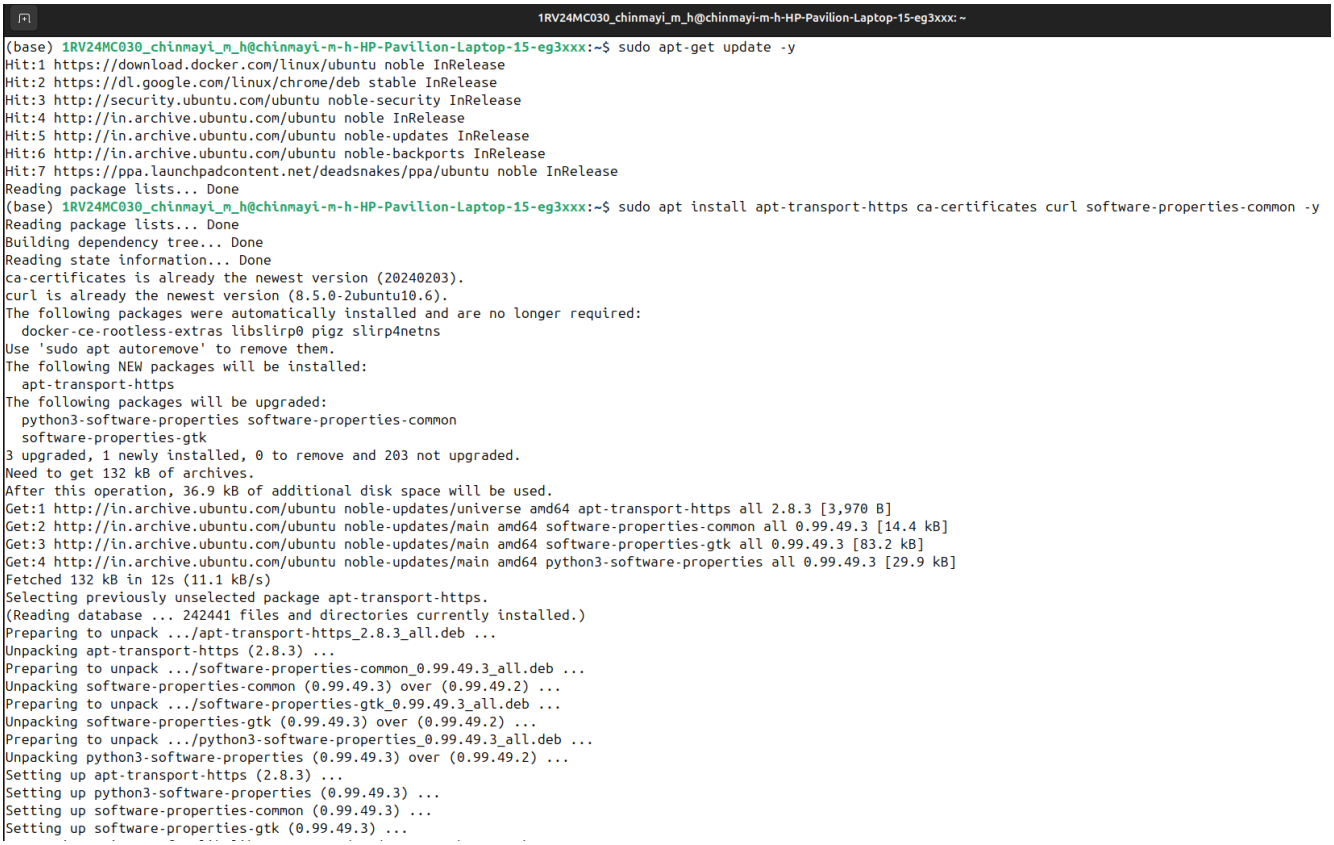
STEP 7: Remove the user Temp and delete it
> sudo deluser Temp
> sudo rm -r /home/Temp



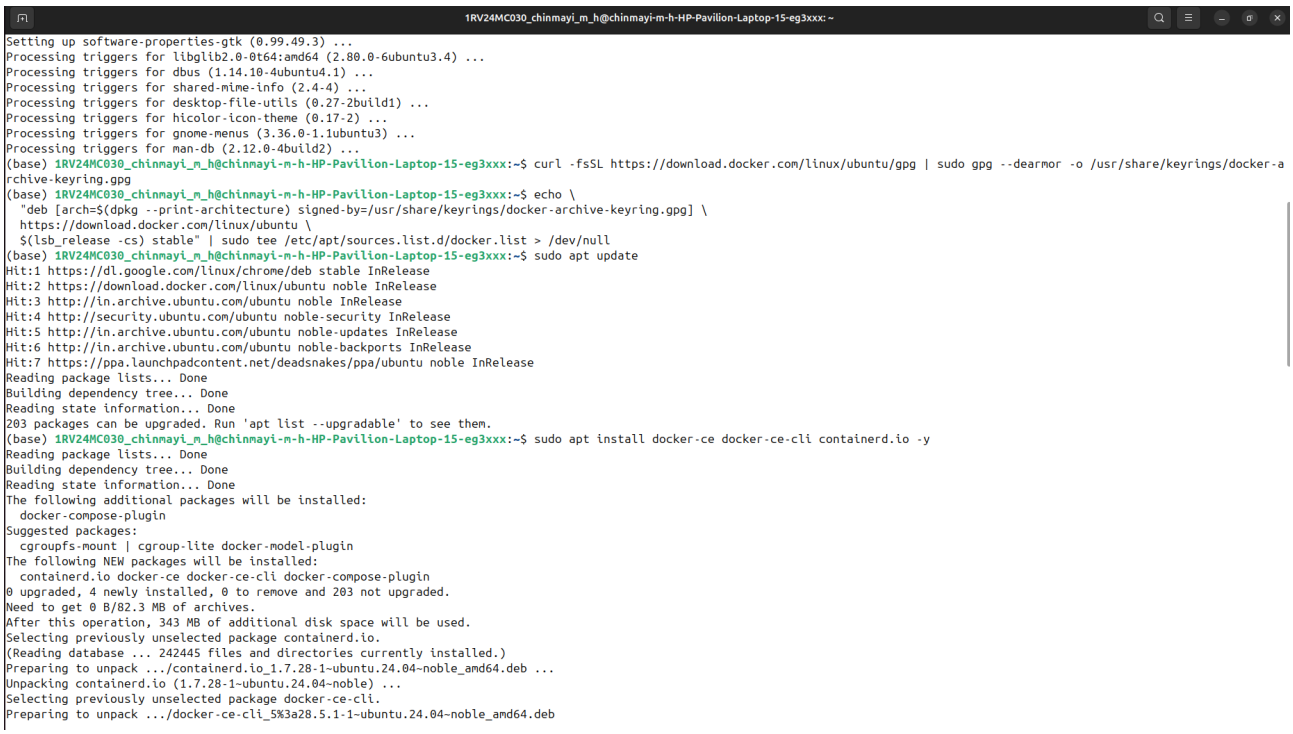
TO INSTALL DOCKER USING APT REPO

STEP 1: Update the System
> sudo apt update && sudo apt upgrade -y

STEP 2: Install required packages
> sudo apt install apt-transport-https ca-certificates curl software-properties-common -y



STEP 3: Add Docker’s official GPG key
> curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg



STEP 4: Add the Docker repository
> echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] \
https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
> sudo apt update

STEP 5: Install Docker
> sudo apt install docker-ce docker-ce-cli containerd.io -y

STEP 6: Start and enable Docker service
> sudo systemctl start docker
> sudo systemctl enable docker

STEP 7: Check the Status
> sudo systemctl status docker

```
1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx: ~
...
Unpacking docker-ce-cli (5:28.5.1-1~ubuntu.24.04~noble) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../docker-ce_5%3a28.5.1-1~ubuntu.24.04~noble_amd64.deb ...
Unpacking docker-ce (5:28.5.1-1~ubuntu.24.04~noble) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../docker-compose-plugin_2.40.0-1~ubuntu.24.04~noble_amd64.
deb ...
Unpacking docker-compose-plugin (2.40.0-1~ubuntu.24.04~noble) ...
Setting up containerd.io (1.7.28-1~ubuntu.24.04~noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
 /usr/lib/systemd/system/containerd.service.
Setting up docker-compose-plugin (2.40.0-1~ubuntu.24.04~noble) ...
Setting up docker-ce-cli (5:28.5.1-1~ubuntu.24.04~noble) ...
Setting up docker-ce (5:28.5.1-1~ubuntu.24.04~noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /us
r/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/li
b/systemd/system/docker.socket.
Processing triggers for man-db (2.12.0-4build2) ...
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: e>
     Active: active (running) since Fri 2025-10-17 16:06:52 IST; 3s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 9406 (dockerd)
      Tasks: 18
     Memory: 22.0M (peak: 24.9M)
        CPU: 418ms
     CGroup: /system.slice/docker.service
             └─9406 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont>

Oct 17 16:06:51 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time=">
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Oct 17 16:06:51 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time=">
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Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time=">
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx dockerd[9406]: time=">
Oct 17 16:06:52 chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx systemd[1]: Started d>
```

STEP 8: Allow your user to run Docker without sudo
> sudo usermod -aG docker 1rv24mc030_chinmayimh

```
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ sudo usermod -aG docker 1RV24MC030_chinmayi_m_h
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ docker --version
Docker version 28.5.1, build e180ab8
```

STEP 9: Verify installation
> docker –version

STEP 10: Run a test container
> docker run hello-world

```
(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa630927052111f823c303948cf83670a3903ffa3849f1488ab517f891
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

(base) 1RV24MC030_chinmayi_m_h@chinmayi-m-h-HP-Pavilion-Laptop-15-eg3xxx:~$
```