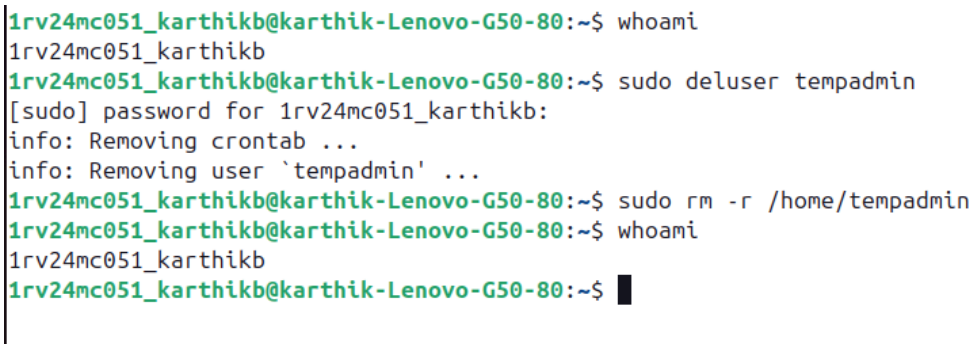
To change the user name in Linux:

1)check your user name >whoami
2)Create a temporary user >sudo adduser tempadmin
3)Add the new user to sudoers >sudo usermod -aG sudo tempadmin
4)Logout from the current user via GUI and login to tempadmin
5)In the terminal of tempadmin, >sudo usermod -l 1rv24mc051_karthikb
6)Now type the below command in original user after logging again via GUI: >whoami
7)Remove the temp user, delete it >sudo deluser tempadmin >sudo rm -r /home/tempadmin



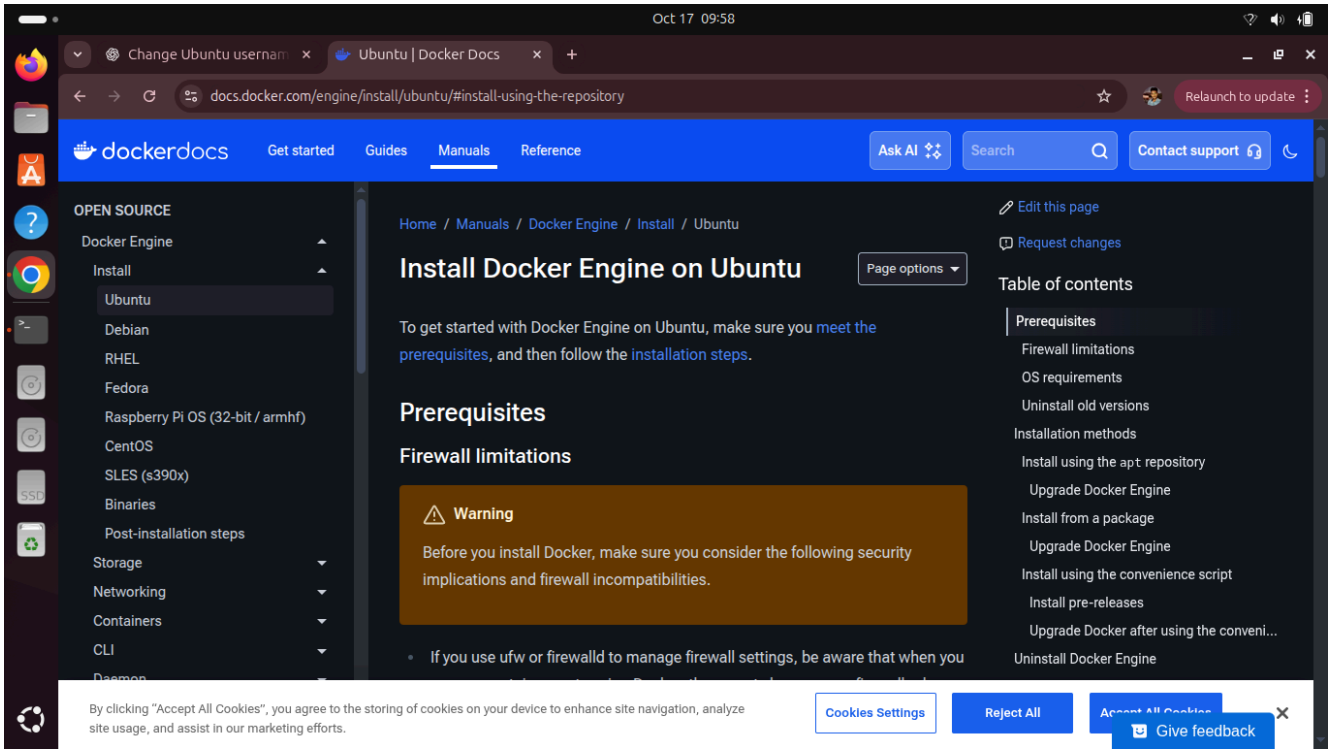
TO INSTALL DOCKER USING APT REPO

1)Set up Docker's apt repository.

2)Add Docker's official GPG key: sudo apt-get update sudo apt-get install ca-certificates curl sudo install -m 0755 -d /etc/apt/keyrings sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc sudo chmod a+r /etc/apt/keyrings/docker.asc

3)Add the repository to Apt sources: echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu $(. /etc/os-release && echo

"${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null sudo apt-get update



4)Install the Docker packages. sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

```
1rv24mc051_karthikb@karthik-Lenovo-G50-80:~$ # Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.c
  $(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
Hit:1 http://repo.mysql.com/apt/ubuntu noble InRelease
Get:2 https://dl.google.com/linux/chrome/deb stable InRelease [1,825 B]
Get:3 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:4 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,209 B]
Hit:5 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:6 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
```

```
1rv24mc051_karthikb@karthik-Lenovo-G50-80:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin dock
er-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  docker-ce-rootless-extras libslirp0 pigz slirp4netns
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz
  slirp4netns
0 upgraded, 9 newly installed, 0 to remove and 182 not upgraded.
Need to get 105 MB of archives.
After this operation, 436 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://download.docker.com/linux/ubuntu noble/stable amd64 containerd.io amd64 1.7.28-1~ubuntu.24.04~noble [31.9 MB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libslirp0 amd64 4.7.0-1ubuntu3 [63.8 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu noble/universe amd64 slirp4netns amd64 1.2.1-1build2 [34.9 kB]
Get:5 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-cli amd64 5:28.5.1-1~ubuntu.24.04~noble [16.5 MB]
Get:6 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce amd64 5:28.5.1-1~ubuntu.24.04~noble [19.7 MB]
Get:7 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-buildx-plugin amd64 0.29.1-1~ubuntu.24.04~noble [15.9 MB
]
Get:8 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-ce-rootless-extras amd64 5:28.5.1-1~ubuntu.24.04~noble [
```

5)Check docker status sudo systemctl status docker

```
1rv24mc051_karthikb@karthik-Lenovo-G50-80:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-10-17 09:53:29 IST; 41s ago
TriggeredBy: ● docker.s
       Docs: https://docs.docker.com
   Main PID: 15040 (dockerd)
      Tasks: 10
     Memory: 21.5M (peak: 22.7M)
        CPU: 591ms
     CGroup: /system.slice/docker.service
             └─15040 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 09:53:28 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:28.206543682+05:30" level=info msg="detected 127.0.>
Oct 17 09:53:28 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:28.256710742+05:30" level=info msg="Creating a cont>
Oct 17 09:53:28 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:28.467254260+05:30" level=info msg="Loading contain>
Oct 17 09:53:29 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:29.342073983+05:30" level=info msg="Loading contain>
Oct 17 09:53:29 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:29.440694532+05:30" level=info msg="Docker daemon" >
Oct 17 09:53:29 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:29.440870481+05:30" level=info msg="Initializing bu>
Oct 17 09:53:29 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:29.522669889+05:30" level=info msg="Completed build>
Oct 17 09:53:29 karthik-Lenovo-G50-80 dockerd[15040]: time="2025-10-17T09:53:29.544123956+05:30" level=info msg="Daemon has comp>
```


6)Run a sample container sudo docker run hello-world

```
1rv24mc051_karthikb@karthik-Lenovo-G50-80:~$ sudo docker run hello-world

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:
```