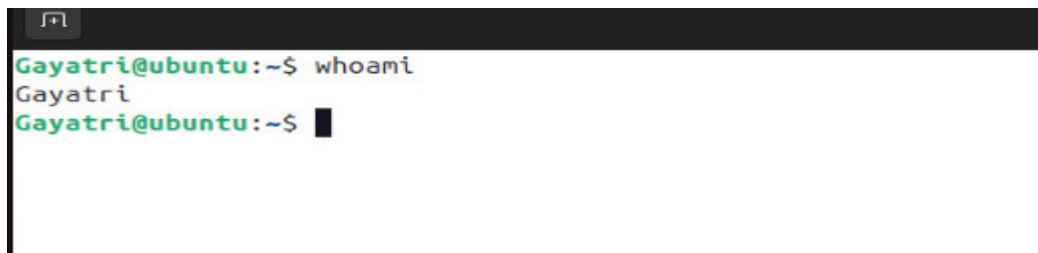


To change the user name in Linux:

1. check your user name

>whoami

A terminal window with a dark background. The prompt is 'Gayatri@ubuntu:~\$'. The user has entered the command 'whoami'. The output is 'Gayatri'. The prompt is now 'Gayatri@ubuntu:~\$' with a cursor.

2. Create a temporary user

>sudo adduser tempuser

```
Gayatri@ubuntu:~$ sudo usermod -aG sudo tempadmin
Gayatri@ubuntu:~$ su - tempadmin
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

tempadmin@ubuntu:~$
```

3. Add the new user to sudoers

> sudo usermod -aG sudo tempuser

4. Logout from the current user via GUI and login to tempuser

5. In the terminal of tempuser

>sudo usermod -l 1RV24MC036_gayatri_v_k

6. Now type the below command in original user after logging again via GUI:

>whoami

```
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ whoami
1RV24MC036_gayatri_v_k
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo deluser tempadmin
[sudo] password for 1RV24MC036_gayatri_v_k:
info: Removing crontab ...
info: Removing user `tempadmin' ...
userdel: user tempadmin is currently used by process 14686
fatal: `/usr/sbin/userdel tempadmin' returned error code 8. Exiting.
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo deluser tempadmin
info: Removing crontab ...
info: Removing user `tempadmin' ...
userdel: user tempadmin is currently used by process 14686
fatal: `/usr/sbin/userdel tempadmin' returned error code 8. Exiting.
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ ^C
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo pkill -u tempadmin
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo deluser tempadmin
info: Removing crontab ...
info: Removing user `tempadmin' ...
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo rm -rf /home/tempadmin
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo rm -r /home/tempadmin
rm: cannot remove '/home/tempadmin': No such file or directory
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$
```

7. Remove the temp user,delete it

>sudo deluser tempuser

```
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ whoami
1RV24MC036_gayatri_v_k
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo deluser tempadmin
[sudo] password for 1RV24MC036 gayatri v k:
```

>sudo rm -r /home/tempuser

```
info: Removing user `tempadmin' ...
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo rm -rf /home/tempadmin
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo rm -r /home/tempadmin
rm: cannot remove '/home/tempadmin': No such file or directory
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$
```

Docker Installation

Step 1: Set up Docker's apt repository.

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.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
```

Step 2: Install the Docker packages.

```
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin  
docker-compose-plugin
```

Step 3: Verify that the installation is successful by running the hello-world image:

```
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-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 535 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 [6,481 kB]
Get:9 https://download.docker.com/linux/ubuntu noble/stable amd64 docker-compose-plugin amd64 2.40.0-1-ubuntu.24.04-noble [14.2 MB]
Fetched 105 MB in 1min 20s (1,318 kB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 178246 files and directories currently installed.)
Preparing to unpack .../0-containerd.io_1.7.28-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking containerd.io (1.7.28-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../1-docker-ce-cli_5%3a28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-cli (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../2-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 pigz.
Preparing to unpack .../3-pigz_2.8-1_amd64.deb ...
Unpacking pigz (2.8-1) ...
Selecting previously unselected package docker-buildx-plugin.
Preparing to unpack .../4-docker-buildx-plugin_0.29.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-buildx-plugin (0.29.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../5-docker-ce-rootless-extras_5%3a28.5.1-1-ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:28.5.1-1-ubuntu.24.04-noble) ...
Selecting previously unselected package docker-compose-plugin.
```

```
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ 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 12:58:17 IST; 16s ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 25042 (dockerd)
      Tasks: 10
     Memory: 21.2M (peak: 22.2M)
        CPU: 385ms
     CGroup: /system.slice/docker.service
             └─25042 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 12:58:16 ubuntu dockerd[25042]: time="2025-10-17T12:58:16.810782151+05:30" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so usi
Oct 17 12:58:16 ubuntu dockerd[25042]: time="2025-10-17T12:58:16.823638699+05:30" level=info msg="Creating a containerd client" address=/run/containerd/containerd.
Oct 17 12:58:16 ubuntu dockerd[25042]: time="2025-10-17T12:58:16.863967821+05:30" level=info msg="Loading containers: start."
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.413216162+05:30" level=info msg="Loading containers: done."
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.427875164+05:30" level=info msg="Docker daemon" commit=f8215cc containerd-snapshotter=false stora
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.428041637+05:30" level=info msg="Initializing buildkit"
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.476809790+05:30" level=info msg="Completed buildkit initialization"
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.483925244+05:30" level=info msg="Daemon has completed initialization"
Oct 17 12:58:17 ubuntu dockerd[25042]: time="2025-10-17T12:58:17.484028625+05:30" level=info msg="API listen on /run/docker.sock"
Oct 17 12:58:17 ubuntu systemd[1]: Started docker.service - Docker Application Container Engine.

1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo systemctl start docker
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$
1RV24MC036_gayatri_v_k@ubuntu:~/Desktop$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa63092705211f823c303948cf83670a3903ffa3849f1488ab517f891
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.
```