DevOps lab session

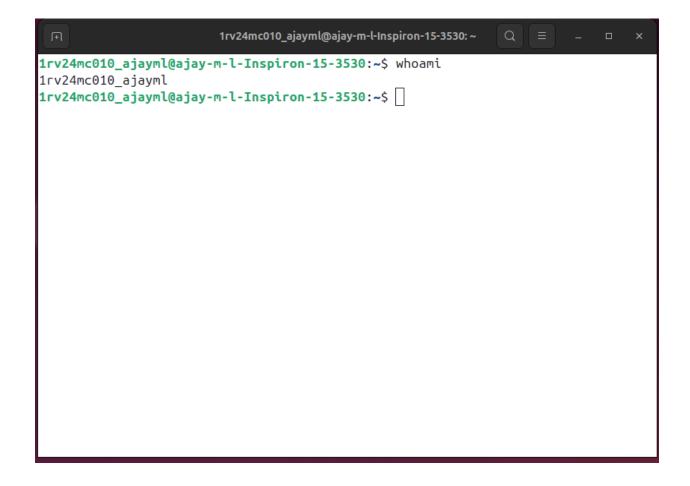
1.username

I created the tempadmin user and login as a user under this username and run the commands

Sudo usermod -l 1rv24mc010_ajayml ajay-m-l : this will change the login name

sudo usermod -d /home/1rv24mc010_ajayml -m 1rv24mc010_ajayml: renaming the home directory

Then i verified the username by whoami command



2.Docker installation

Step 1:

Update the package list and install the dependencies by

sudo apt-get update

sudo apt-get install ca-certificates curl gnupg lsb-release -y

```
Processing triggers for man-db (2.12.8-4build2) ...

Irv24mc818_ajayml@ajaym-l-Inspiron-15-3530-5 sudo mkdir -p /etc/apt/keyrings

curl -fs5. https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

Irv24mc818_ajayml@ajaym-l-Inspiron-15-3530:-$ echo \
    'deb |arch-$(dpkg --print-architecture) signed-by-/etc/apt/keyrings/docker.gpg] \
    https://download.docker.com/linux/ubuntu
    $(lsb_release -cs) stable | \
    sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
    Irv24mc818_ajaym-l-Inspiron-15-3530:-$ sudo apt-get update
    sudo apt-get install docker.com/linux/ubuntu noble Insklease [48.5 kB]
    Hit2: https://download.docker.com/linux/ubuntu noble Insklease [48.5 kB]
    Hit2: http://io.archive.ubuntu.com/ubuntu noble Insklease [48.5 kB]
    Hit2: http://sourcity.ubuntu.com/ubuntu noble-security Insklease
    Get:4 https://download.docker.com/linux/ubuntu noble-stable and64 Packages [33.0 kB]
    Get:5 http://io.archive.ubuntu.com/ubuntu noble-updates Insklease [16 kB]
    Get:6 http://io.archive.ubuntu.com/ubuntu noble-updates/main and64 Components [17 kB]
    Get:8 http://io.archive.ubuntu.com/ubuntu noble-updates/main and64 Components [17 kB]
    Get:8 http://io.archive.ubuntu.com/ubuntu noble-updates/main and64 Components [17 kB]
    Get:9 http://io.archive.ubuntu.com/ubuntu noble-updates/restricted and64 Packages [2,690 kB]
    Get:10 http://io.archive.ubuntu.com/ubuntu noble-updates/micrited Translation-en [470 kB]
    Get:11 http://io.archive.ubuntu.com/ubuntu noble-updates/restricted and64 Components [212 B]
    Get:13 http://io.archive.ubuntu.com/ubuntu noble-updates/micrites and64 Components [212 B]
    Get:13 http://io.archive.ubuntu.com/ubuntu noble-updates/micr
```

Step 2:

Updated the package list again to fetch Docker's latest packages. Installed Docker components using:

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

Step 3:

Verified the docker installation by :sudo docker run hello-world

```
1rv24mc010_ajayml@ajay-m-l-Inspiron-15-3530:~$ sudo 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/
1rv24mc010_ajayml@ajay-m-l-Inspiron-15-3530:~$
```