### STEP 1:

Update the packages using the below command

```
selya11@LAPTOP-OR6BSQFD:~$ sudo apt update
```

#### STEP 2:

Install docker using the below command

```
selyal1@LAPTOP-0R6BSQFD:~$ sudo apt install -y docker.io
```

#### STEP 3:

Enable, start the docker and verify the version of the docker

```
selya11@LAPTOP-0R6BSQFD:~$ sudo systematl enable docker
selya11@LAPTOP-0R6BSQFD:~$ sudo systematl start docker
selya11@LAPTOP-0R6BSQFD:~$ docker --version
```

#### STEP 4:

Use the curl command

# STE 5:

Verify the Docker version

```
selya11@LAPTOP-0R6BSQFD:~$ sudo chmod +x /usr/local/bin/docker-compose
selya11@LAPTOP-0R6BSQFD:~$ docker-compose --version
Docker Compose version v2.34.0
```

#### STEP 6:

Create a directory and change into the directory

```
selya11@LAPTOP-0R6BSQFD:~$ mkdir ~/devops-proj
selya11@LAPTOP-0R6BSQFD:~$ cd ~/devops-proj
```

#### STEP 7:

Create nano file called app.py

selya11@LAPTOP-0R6BSQFD:~/devops-proj\$ nano app.py

#### STEP 8:

Code for nano app.py

```
GNU nano 7.2

FROM python:3.11

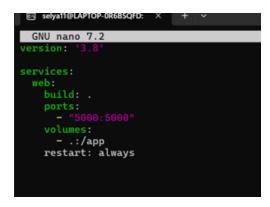
WORKDIR /app
COPY require.txt .

RUN pip install --no-cache-dir -r require.txt
COPY .

EXPOSE 5000
CMD ["python", "app.py"]
```

# STEP 9:

Code for docker.yml file



# **STEP 10:**

Now build docker using the below command

STEP 11:

Now run the localhost server in port:5000

