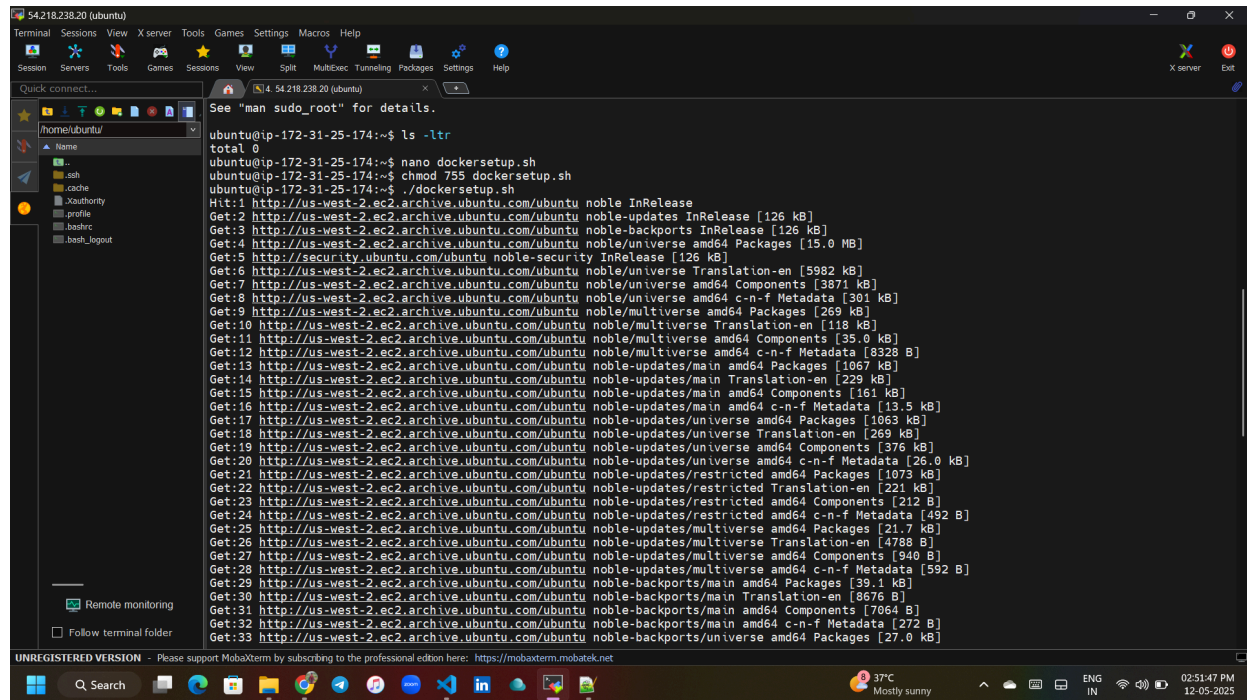


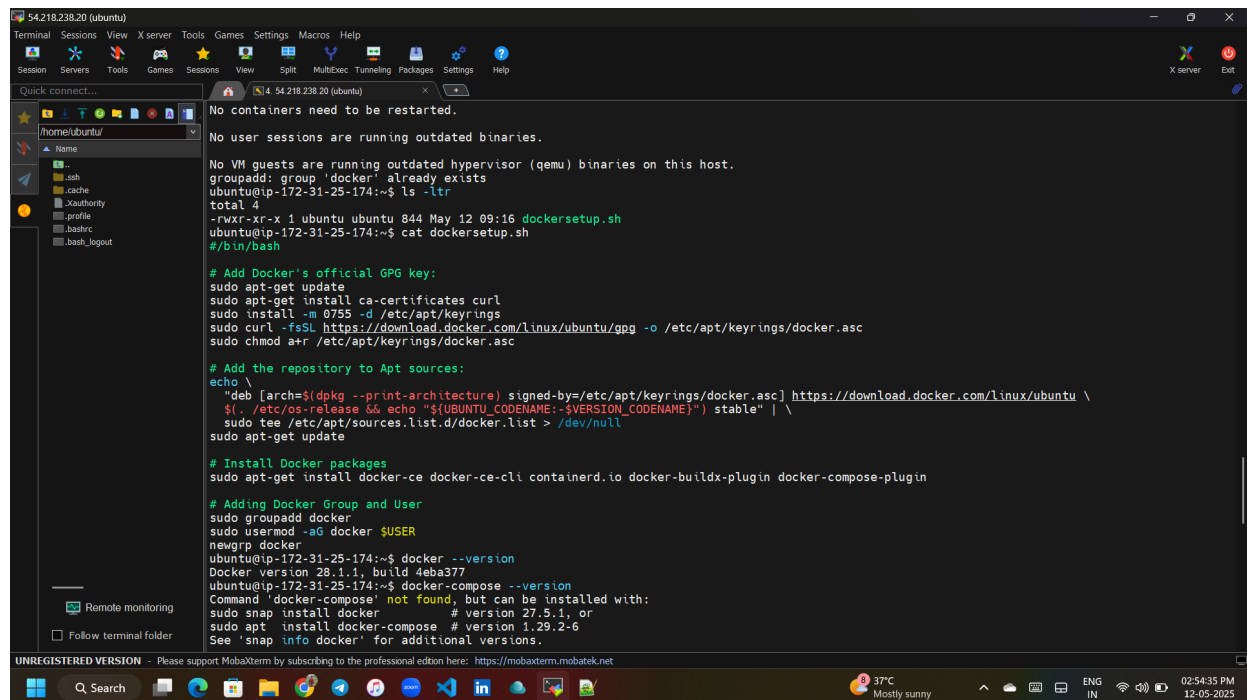
## Docker Task -2

### Task Description:

Create a dockerfile, docker-compose file which when executed must display your basic details in the website.



```
ubuntu@ip-172-31-25-174:~$ ls -ltr
total 0
ubuntu@ip-172-31-25-174:~$ nano dockersetup.sh
ubuntu@ip-172-31-25-174:~$ chmod 755 dockersetup.sh
ubuntu@ip-172-31-25-174:~$ ./dockersetup.sh
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1067 kB]
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [229 kB]
Get:15 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [161 kB]
Get:16 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]
Get:17 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1063 kB]
Get:18 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [269 kB]
Get:19 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [376 kB]
Get:20 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]
Get:21 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1073 kB]
Get:22 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [221 kB]
Get:23 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:24 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]
Get:25 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.7 kB]
Get:26 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]
Get:27 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:28 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:29 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]
Get:30 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]
Get:31 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7064 B]
Get:32 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]
Get:33 http://us-west-2.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [27.0 kB]
```



```
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
groupadd: group 'docker' already exists
ubuntu@ip-172-31-25-174:~$ ls -ltr
total 4
-rwxr-xr-x 1 ubuntu ubuntu 844 May 12 09:16 dockersetup.sh
ubuntu@ip-172-31-25-174:~$ cat dockersetup.sh
#!/bin/bash

# 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

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

# Adding Docker Group and User
sudo groupadd docker
sudo usermod -aG docker $USER
newgrp docker
ubuntu@ip-172-31-25-174:~$ docker --version
Docker version 20.10.1, build 4eba377
ubuntu@ip-172-31-25-174:~$ docker-compose --version
Command 'docker-compose' not found, but can be installed with:
sudo snap install docker # version 27.5.1, or
sudo apt install docker-compose # version 1.29.2-6
See 'snap info docker' for additional versions.
```

```
54.218.238.20 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
ssh
cache
xauthority
profile
bashrc
bash_logout
Remote monitoring
Follow terminal folder

Selecting previously unselected package python3-dockerpty.
Preparing to unpack .../2-python3-dockerpty_0.4.1-5_all.deb ...
Unpacking python3-dockerpty (0.4.1-5) ...
Selecting previously unselected package python3-dococt.
Preparing to unpack .../3-python3-dococt_0.6.2-6_all.deb ...
Unpacking python3-dococt (0.6.2-6) ...
Selecting previously unselected package python3-dotenv.
Preparing to unpack .../4-python3-dotenv_1.0.1-1_all.deb ...
Unpacking python3-dotenv (1.0.1-1) ...
Selecting previously unselected package python3-texttable.
Preparing to unpack .../5-python3-texttable_1.6.7-1_all.deb ...
Unpacking python3-texttable (1.6.7-1) ...
Selecting previously unselected package python3-compose.
Preparing to unpack .../6-python3-compose_1.29.2-6ubuntu1_all.deb ...
Unpacking python3-compose (1.29.2-6ubuntu1) ...
Selecting previously unselected package docker-compose.
Preparing to unpack .../7-docker-compose_1.29.2-6ubuntu1_all.deb ...
Unpacking docker-compose (1.29.2-6ubuntu1) ...
Setting up python3-dotenv (1.0.1-1) ...
Setting up python3-texttable (1.6.7-1) ...
Setting up python3-dococt (0.6.2-6) ...
Setting up python3-websocket (1.7.0-1) ...
Setting up python3-dockerpty (0.4.1-5) ...
Setting up python3-docker (5.0.3-1ubuntu1.1) ...
Setting up python3-compose (1.29.2-6ubuntu1) ...
Setting up docker-compose (1.29.2-6ubuntu1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-25-174:~$
```

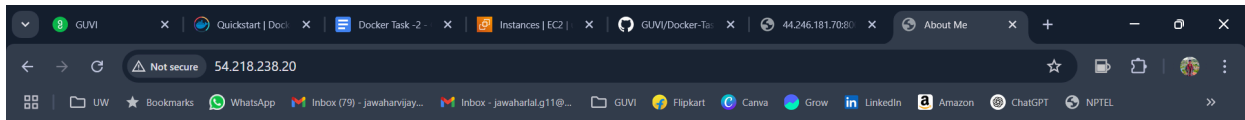
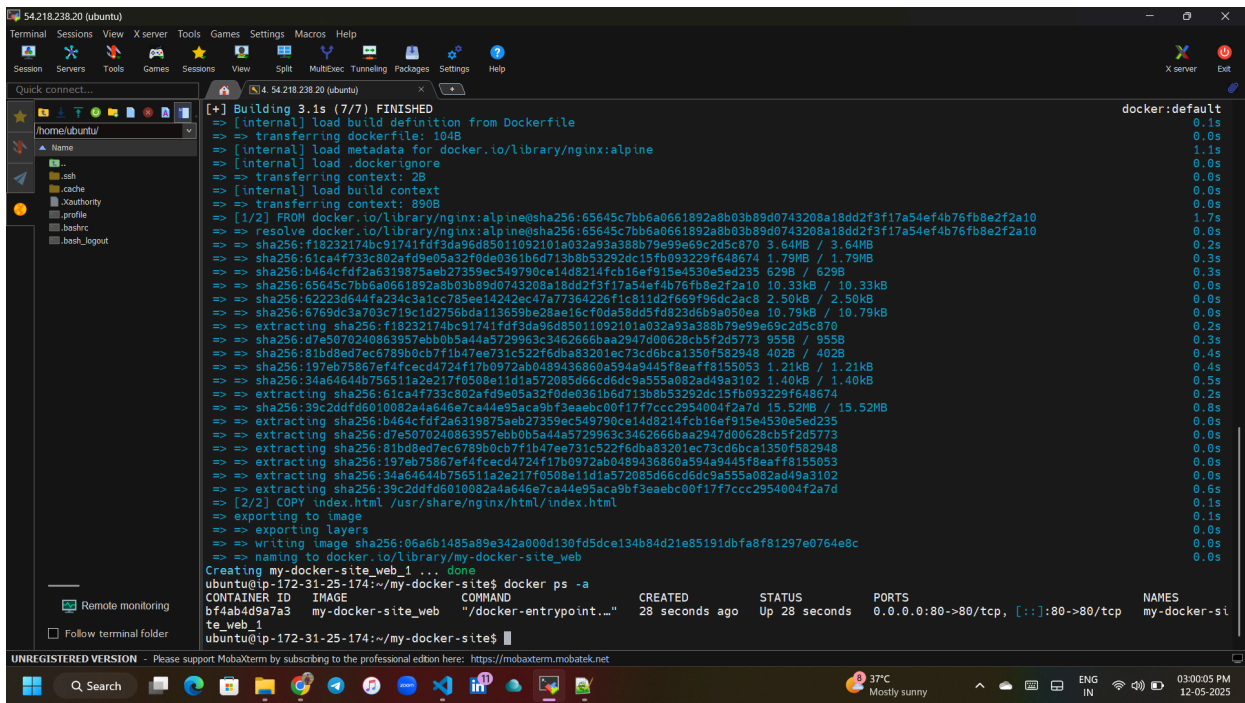
```
54.218.238.20 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
ssh
cache
xauthority
profile
bashrc
bash_logout
Remote monitoring
Follow terminal folder

ubuntu@ip-172-31-25-174:~$ ls -ltr
total 4
-rwxr-xr-x 1 ubuntu ubuntu 844 May 12 09:16 dockersetup.sh
ubuntu@ip-172-31-25-174:~$ mkdir my-docker-site
ubuntu@ip-172-31-25-174:~$ cd my-docker-site/
ubuntu@ip-172-31-25-174:~/my-docker-site$ nano index.html
ubuntu@ip-172-31-25-174:~/my-docker-site$ cat index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>About Me</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      max-width: 600px;
      margin: 2rem auto;
      line-height: 1.6;
      background: #f4f4f4;
      padding: 1rem;
    }
    h1 {
      color: #2c3e50;
    }
    .label {
      font-weight: bold;
    }
    .card {
      background: #fff;
      padding: 1rem;
      border-radius: 8px;
      box-shadow: 0 2px 6px rgba(0,0,0,0.1);
    }
  </style>
</head>
<body>
  <div class="card">
    <h1>Hello, I'm Jawaharlal</h1>
    <p><span class="Label">Location:</span> Chennai, India</p>
    <p><span class="Label">Role:</span> Software Engineer</p>
  </div>
</body>
</html>
```

```
54.218.238.20 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
bash
zsh
Xauthority
profile
bashrc
bash_logout
Remote monitoring
Follow terminal folder

<p><span class="label">Role:</span> Software Engineer</p>
<p><span class="label">Skills:</span> DevOps</p>
<p><span class="label">Contact:</span> jawaharlal.g11@gmail.com</p>
</div>
</body>
</html>
ubuntu@ip-172-31-25-174:~/my-docker-site$ nano Dockerfile
ubuntu@ip-172-31-25-174:~/my-docker-site$ cat Dockerfile
FROM nginx:alpine
COPY index.html /usr/share/nginx/html/index.html
ubuntu@ip-172-31-25-174:~/my-docker-site$ nano docker-compose.yml
ubuntu@ip-172-31-25-174:~/my-docker-site$ cat docker-compose.yml
version: '3'
services:
  web:
    build: .
    ports:
      - "80:80"
ubuntu@ip-172-31-25-174:~/my-docker-site$ docker-compose up --build -d
Creating network 'my-docker-site_default' with the default driver
Building web
[*] Building 3.1s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 104B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [internal] load .dockerignore
=> => transferring context: 28
=> [internal] load build context
=> => transferring context: 890B
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10
=> => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10
=> => sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB
=> => sha256:61ca4f733c802af9e05a32f0de0361b6d713b8b33292dc15fb093229f648674 1.79MB / 1.79MB
=> => sha256:b464cfdf2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 629B / 629B
=> => sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10 10.33kB / 10.33kB
=> => sha256:62223d644fa234c3a1cc785ee14242ec47a77364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB
=> => sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9a050ea 10.79kB / 10.79kB
=> => sha256:62223d644fa234c3a1cc785ee14242ec47a77364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB
=> => sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870 3.64MB / 3.64MB
=> => sha256:d7e507b240863957ebb0b5a44a5729963c346266bba2947d00628cb5f2d5773 955B / 955B
=> => sha256:81bd9ed7ec6789b0cb7f1b47ee731c522f6dba93201ec73cd6bca1350f592948 402B / 402B
docker:default
0.1s
0.0s
1.1s
0.0s
0.0s
0.0s
1.7s
0.0s
0.2s
0.3s
0.3s
0.0s
0.0s
0.0s
0.2s
0.3s
0.4s

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
37°C
Mostly sunny
ENG
IN
03:00:02 PM
12-05-2025
```



Hello, I'm Jawaharlal

**Location:** Chennai, India

**Role:** Software Engineer

**Skills:** DevOps

**Contact:** jawaharlal.g11@gmail.com

