

## Docker Assignment

HTML:

```
<!DOCTYPE html>
<html>
<body>

<h1 style="border:2px solid Tomato;">Personal Details</h1>
<p>

<b>Name:</b> Annith Kumar T<br>
<b>Place:</b> Trichy <br>
<b>Date:</b> 15/02/2023 <br>

</p>
</body>
</html>
```

DockerFile:

```
FROM ubuntu
RUN apt-get update && apt-get upgrade -y
RUN apt-get install -y nginx
EXPOSE 80
CMD ["nginx", "-g", "daemon off;"]
COPY index.html /var/www/html/
```

Docker-compose file :

version: '3'

services:

web:

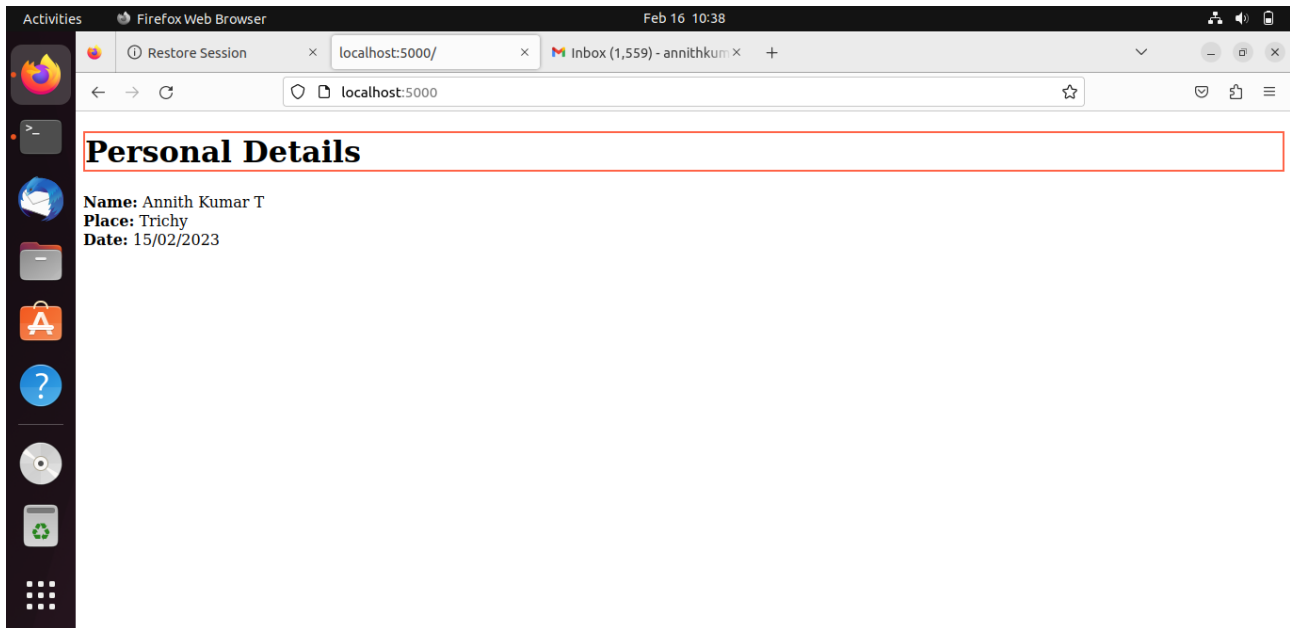
build: ./

ports:

- "5000:80"

Dockerfile output:

```
Successfully tagged high:v1
annith@ubuntu:~$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
high          v1        c3052772f04d   8 seconds ago  183MB
ubuntu        latest    58db3edaf2be   3 weeks ago   77.8MB
annith@ubuntu:~$ docker run -d --name trap -p 5000:80 high:v1
a10a3a30121dce265bfa9eea9a30e8f587bf9a18a20b8af4dabc230029750614
annith@ubuntu:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
a10a3a30121d   high:v1   "nginx -g 'daemon of..." 9 seconds ago  Up 7 seconds  0.0.0.0:5000->80/tcp, :::5000->80/tcp  trap
```



Docker compose output :

```
- "5000:80"
annith@ubuntu:~$ docker-compose up
Creating network "annith_default" with the default driver
Building web
Sending build context to Docker daemon 126.3MB
Step 1/6 : FROM ubuntu
----> 58db3edaf2be
Step 2/6 : RUN apt-get update && apt-get upgrade -y
----> Using cache
----> 766ccc7f79d5
Step 3/6 : RUN apt-get install -y nginx
----> Using cache
----> 3f88db97b7ac
Step 4/6 : EXPOSE 80
----> Using cache
----> 04cbc724bb27
Step 5/6 : CMD ["nginx", "-g", "daemon off;"]
----> Using cache
----> e1f691050401
Step 6/6 : COPY index.html /var/www/html/
----> Using cache
----> c3052772f04d
Successfully built c3052772f04d
Successfully tagged annith_web:latest
```

```
annith@ubuntu:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
0970ed776d3a   annith_web   "nginx -g 'daemon of..." 5 minutes ago   Up 4 minutes   0.0.0.0:5000->80/tcp, :::5000->80/tcp   annith_web_1
```

