

Assignment - 5

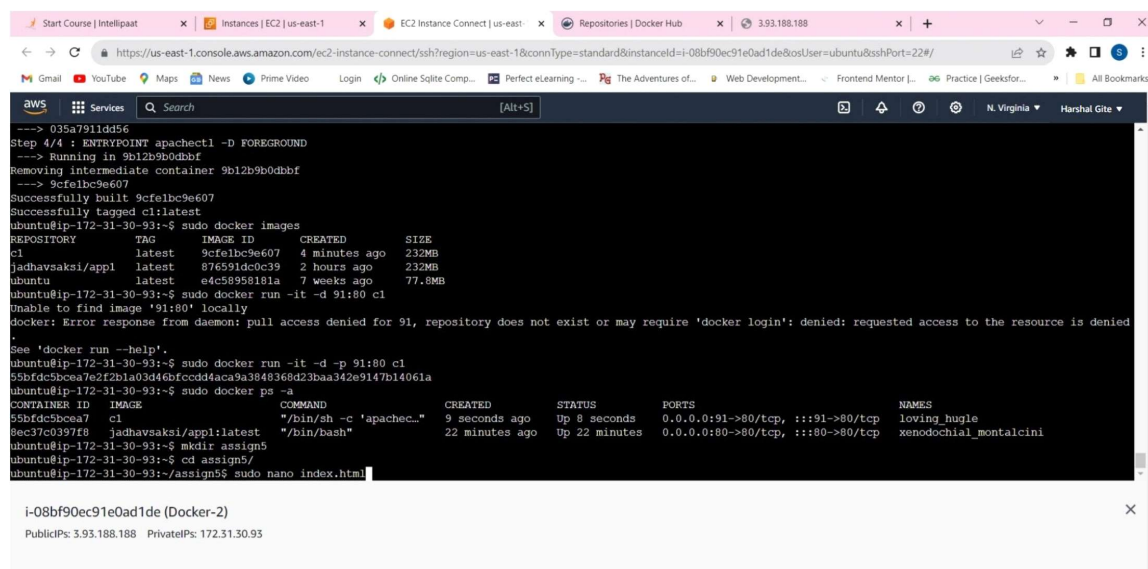
Email- harshalgite888@gmail.com

Tasks:

1. Create a sample HTML file
2. Use the Dockerfile from the previous task
3. Replace this sample HTML file inside the Docker container with the default page

Solution:

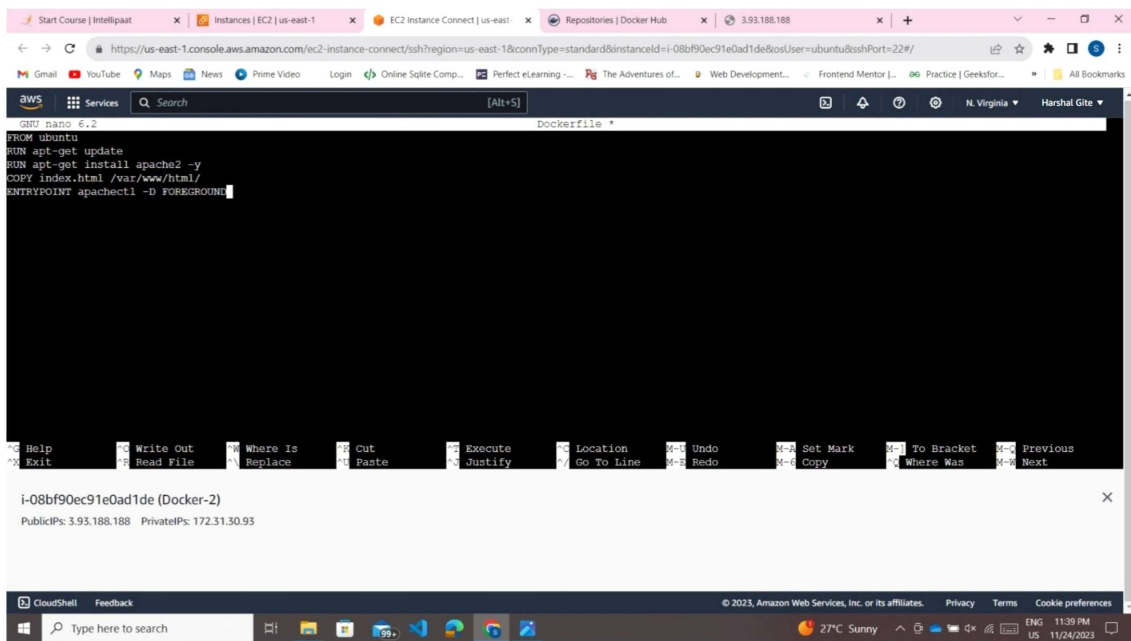
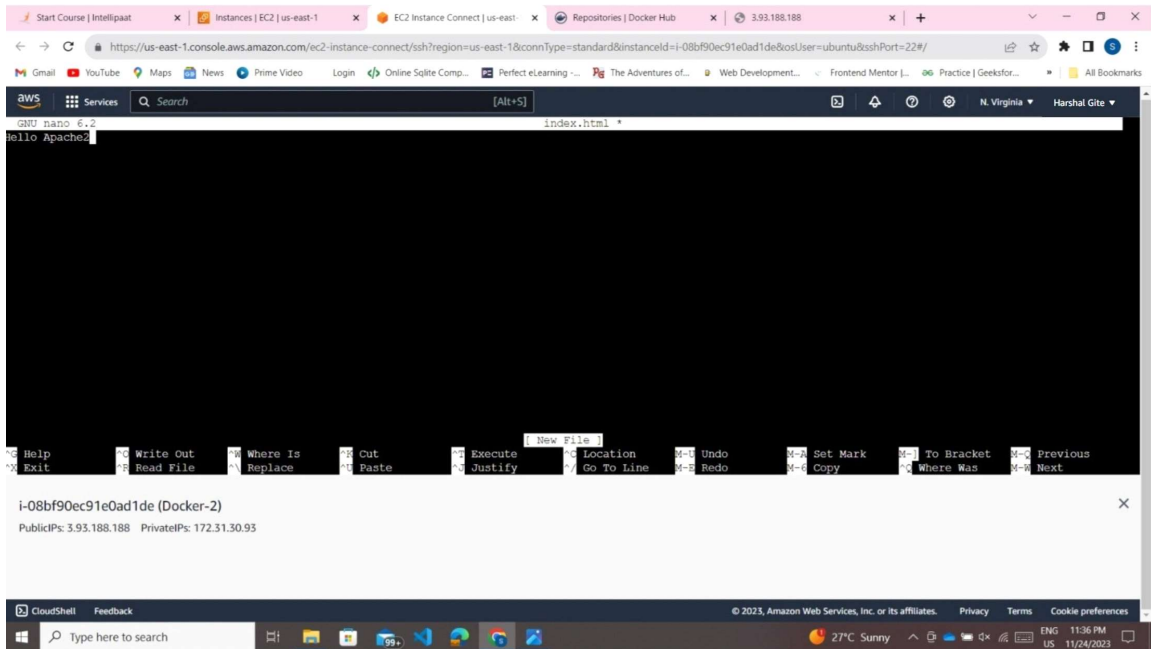
Steps:



The screenshot shows a terminal window within the AWS Management Console, connected to an EC2 instance. The terminal displays the following commands and output:

```
--> 035a7911dd56
Step 4/4 : ENTRYPOINT apache2 -D FOREGROUND
--> Running in 9b12b9b0dbbf
Removing intermediate container 9b12b9b0dbbf
--> 9cfe1bc9e607
Successfully built 9cfe1bc9e607
Successfully tagged c1:latest
ubuntu@ip-172-31-30-93:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
c1                   latest             9cfe1bc9e607        4 minutes ago      232MB
jadhavsakshi/appl   latest             876591dc0c39        2 hours ago        232MB
ubuntu              latest             e4c58958181a        7 weeks ago        77.8MB
ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d 91:80 c1
Unable to find image '91:80' locally
docker: Error response from daemon: pull access denied for 91, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
See 'docker run --help'.
ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d -p 91:80 c1
95bfdc5bcea7e2f2b1a03d46bfcdd4aca9a3848368d23baa342e9147b14061a
ubuntu@ip-172-31-30-93:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS                               NAMES
95bfdc5bcea7        c1                  "/bin/sh -c 'apachec..." 9 seconds ago       Up 8 seconds       0.0.0.0:91->80/tcp, :::91->80/tcp    loving_hugle
8ec37c0397f8        jadhavsakshi/appl:latest "/bin/bash"            22 minutes ago     Up 22 minutes      0.0.0.0:80->80/tcp, :::80->80/tcp    xenodochial_montalcini
ubuntu@ip-172-31-30-93:~$ cd assign5/
ubuntu@ip-172-31-30-93:~/assign5$ sudo nano index.html
```

Below the terminal window, a metadata box for the container 'i-08bf90ec91e0ad1de (Docker-2)' is visible, showing Public IP: 3.93.188.188 and Private IP: 172.31.30.93.



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https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-08bf90ec91e0ad1de&osUser=ubuntu&sshPort=22#/?

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REPOSITORY TAG IMAGE ID CREATED SIZE

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
cl	latest	9cfe1bc9e607	4 minutes ago	232MB
jadhavsakshi/app1	latest	876591dc0c39	2 hours ago	232MB
ubuntu	latest	e4c58958181a	7 weeks ago	77.8MB

```

ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d 91:80 cl
Unable to find image '91:80' locally
docker: Error response from daemon: pull access denied for 91, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
See 'docker run --help'.

ubuntu@ip-172-31-30-93:~$ sudo docker run -it -d -p 91:80 cl
55bfdc5bcea7e2f2b1a03d46bfcecd4aca9a384836d23baa342e9147b14061a
ubuntu@ip-172-31-30-93:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
55bfdc5bcea7        cl                  "/bin/sh -c 'apachec..." 9 seconds ago       Up 8 seconds       0.0.0.0:91->80/tcp, :::91->80/tcp   loving_hugle
8ec37c0397f8      jadhavsakshi/app1:latest "/bin/bash"        22 minutes ago      Up 22 minutes       0.0.0.0:80->80/tcp, :::80->80/tcp   xenodochial_montalcini

ubuntu@ip-172-31-30-93:~$ mkdir assign5
ubuntu@ip-172-31-30-93:~$ cd assign5/
ubuntu@ip-172-31-30-93:~/assign5$ sudo nano index.html
index.html
ubuntu@ip-172-31-30-93:~/assign5$ sudo nano Dockerfile
Dockerfile
ubuntu@ip-172-31-30-93:~/assign5$ ls
Dockerfile  index.html
ubuntu@ip-172-31-30-93:~/assign5$ sudo docker build . -t c2

```

i-08bf90ec91e0ad1de (Docker-2)

PublicIPs: 3.93.188.188 PrivateIPs: 172.31.30.93

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https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-08bf90ec91e0ad1de&osUser=ubuntu&sshPort=22#/?

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```

--> 54707f8758e7
Step 3/5 : RUN apt-get install apache2 -y
--> Using cache
--> 035a7911dd56
Step 4/5 : COPY index.html /var/www/html/
--> 84f167de3b47
Step 5/5 : ENTRYPOINT apache2l -D FOREGROUND
--> Running in 37ecf74ca00e
Removing intermediate container 37ecf74ca00e
--> 45e9c25a5e5e
Successfully built 45e9c25a5e5e
Successfully tagged c2:latest
ubuntu@ip-172-31-30-93:~/assign5$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
c2 latest 45e9c25a5e5e 18 seconds ago 232MB
cl latest 9cfe1bc9e607 20 minutes ago 232MB
jadhavsakshi/app1 latest 876591dc0c39 3 hours ago 232MB
ubuntu latest e4c58958181a 7 weeks ago 77.8MB
ubuntu@ip-172-31-30-93:~/assign5$ sudo docker run -it -d -p 71:80 c2
b31da7708db8e36c141794c90f658c46089c28c9a5c88229c50f6b85a0bd657a
ubuntu@ip-172-31-30-93:~/assign5$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
b31da7708db8        c2                  "/bin/sh -c 'apachec..." 21 seconds ago      Up 20 seconds       0.0.0.0:71->80/tcp, :::71->80/tcp   heuristic_babbage
55bfdc5bcea7        cl                  "/bin/sh -c 'apachec..." 16 minutes ago      Up 16 minutes       0.0.0.0:91->80/tcp, :::91->80/tcp   loving_hugle
8ec37c0397f8      jadhavsakshi/app1:latest "/bin/bash"        38 minutes ago      Up 38 minutes       0.0.0.0:80->80/tcp, :::80->80/tcp   xenodochial_montalcini
ubuntu@ip-172-31-30-93:~/assign5$

```

i-08bf90ec91e0ad1de (Docker-2)

PublicIPs: 3.93.188.188 PrivateIPs: 172.31.30.93

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