Task 10 Question:

Install docker on EC2 and explore the docker commands (docker images, containers)

Solution:

1.install Docker

```
aWS | Services | Q Search | [Alt+S] | ubuntu@ip-172-31-42-109:~$ docker --version | Docker version 24.0.5, build 24.0.5-0ubuntu1~22.04.1 | ubuntu@ip-172-31-42-109:~$
```

2. Docker images, Docker pull nginx, Docker run:

```
Last login: Tue Nov 28 12:15:22 2023 from 13.233.177.3

Last login: Tue Nov 28 12:15:22 2023 from 13.233.177.3

Last login: Tue Nov 28 12:15:22 2023 from 13.233.177.3

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Last login: Tue Nov 28 12:15:22 2023 from 13.233.177.3

Last login: Tue Nov 28 12:15:22 2023 from 13.233.177.3

Last login: Last login
```

3. Docker ps, Docker exec:

4. Docker Commit, Docker Login:

```
Americal Martin Service Q Search [Alits]

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```

5.docker push, docker tag:

```
Login Succeeded

ubuntu8ip-172-31-33-42:-$ docker images

upuntu8ip-172-31-33-42:-$ docker images

Repostrony

TAG IMAGE ID CREATED SIZE

newimage latest ac2b4f05e0e5 10 minutes ago 187MB

sharuf89/latest latest ac2b4f05e0e5 10 minutes ago 187MB

upuntu8ip-172-31-33-42:-$ docker images

npinx latest ac2b4f05e0e5 10 minutes ago 187MB

upuntu8ip-172-31-33-42:-$ docker images

npinx latest ac2b4f05e0e5 10 minutes ago 187MB

upuntu8ip-172-31-33-42:-$ docker images

npinx latest ac2b4f05e0e5 10 minutes ago 187MB

upuntu8ip-172-31-33-42:-$ docker pund sharuf89/latest

Using default tag: latest

The punh refers to repository (docker.io/sharuf89/latest)

doc43dab483dib: Punhed

dodc309885a2: Punhed

dodc309885a2: Punhed

dodc309885a2: Punhed

dodc309885a2: Punhed

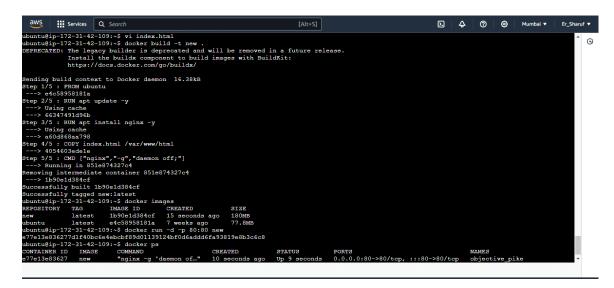
dod3ab483dib: Punhed

66283570f4lb: Punhed
```

6.dockerfile:

```
ubuntu@ip-172-31-42-109:~$ cat dockerfile
FROM ubuntu
RUN apt update -y
RUN apt install nginx -y
COPY index.html /var/www/html
CMD ["nginx","-g","daemon off;"]
ubuntu@ip-172-31-42-109:~$ cat index.html
welcome to croma
ubuntu@ip-172-31-42-109:~$
```

7. Building image from dockerfile and running a container:



8.container output:



welcome to croma

9. Pushing the image to docker hub:

```
whuttu8ip-172-31-42-109:-$ docker images

EPOSITORY

TAG

HAGE ID

CREATED

SIZE

NEW

A Letest 1b90e1d38def 15 minutes ago 180MB

sharuf89/msr latest 1b90e1d38def 15 minutes ago 17.8MB

sharuf89/msr latest 1b90e1d38def 15 minutes ago 180MB

sharuf89/msr latest 1b90e1d38def 15 minutes ago 180MB

Legin with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create o ne.

Username: sharuf89

Password:

WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.

Configure a credential helper to remove this warning. See

https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Legin Succeeded

ubuntu8[j-172-31-42-109:-$ docker push sharuf89/msr]

Using default tag: latest

The push referse to repository [docker.io/sharuf89/msr]

4013117c-8a: Pushed

9sele082d61: Pushed

9sele082d61: Pushed

9sele082d61: Pushed

15de8dd4195: Hounted from library/ubuntu

latest: digest: shab26:bf40cf2ff791d0a8cb44c2dc9f866b0c268001bf495b078a3291dd6fbb727a7 size: 1160

whomtu8ip-172-31-42-1093-$ docker push sharuf89/msr]

40131c1ec8si Layer already exists

9sele082d61: Layer already exists

9sele082d61: Layer already exists

9sele082d61: Layer already exists

25d88dd4185: Layer already exists
```

10. DockerHub output:

