Task 4: Sharing images

- Creating a DockerHub account is necessary to share images. DockerHub has similar features to GitHub, such as search function, repositories, and organizations. The docker CLI tool is integrated with DockerHub and logging in is required to use certain features.

```
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker login
Login 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 one.
Username: babodesi
Password:
WARNING! Your password will be stored unencrypted in /home/ankit/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$
```

- If the image built in the previous exercise was mistagged with something other than the DockerHub username, it can be retagged using the docker tag command by adding a new tag with the DockerHub username and a version.

```
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker images
REPOSITORY          TAG       IMAGE ID       CREATED          SIZE
ping-ubuntu-lite    latest    67cb935c126f   7 minutes ago    139MB
ubuntu-ping         latest    3807281bcbdf   13 minutes ago   123MB
ping-ubuntu         latest    5824a33829a3   25 minutes ago   123MB
busybox             latest    7cfbbec8963d   5 weeks ago      4.86MB
ubuntu              latest    08d22c0ceb15   6 weeks ago      77.8MB
node                12        6c8de432fc7f   12 months ago    918MB
hello-world         latest    feb5d9fea6a5   19 months ago    13.3kB
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker tag ping-ubuntu desibabu/ping:1.0
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker iamges
docker: 'iamges' is not a docker command.
See 'docker --help'
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker images
REPOSITORY          TAG       IMAGE ID       CREATED          SIZE
ping-ubuntu-lite    latest    67cb935c126f   7 minutes ago    139MB
ubuntu-ping         latest    3807281bcbdf   14 minutes ago   123MB
desibabu/ping       1.0       5824a33829a3   25 minutes ago   123MB
ping-ubuntu         latest    5824a33829a3   25 minutes ago   123MB
busybox             latest    7cfbbec8963d   5 weeks ago      4.86MB
ubuntu              latest    08d22c0ceb15   6 weeks ago      77.8MB
node                12        6c8de432fc7f   12 months ago    918MB
hello-world         latest    feb5d9fea6a5   19 months ago    13.3kB
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$
```

- To push an image to a DockerHub repository, use the docker push command followed by the tag. A new public repository will be created on DockerHub under the organization specified in the tag. The repository will be available at https://hub.docker.com/r/<USERNAME>/ping/.

- Images can also be pushed to non-DockerHub repositories like AWS Elastic Container Registry by changing the repository part of the tag to the appropriate URL.

```
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker images
REPOSITORY          TAG       IMAGE ID        CREATED          SIZE
ping-ubuntu-lite    latest    67cb935c126f    8 minutes ago    139MB
ubuntu-ping         latest    3807281bcbdf    15 minutes ago   123MB
desibabu/ping       1.0       5824a33829a3    26 minutes ago   123MB
ping-ubuntu         latest    5824a33829a3    26 minutes ago   123MB
busybox             latest    7cfbbec8963d    5 weeks ago      4.86MB
ubuntu              latest    08d22c0ceb15    6 weeks ago      77.8MB
node                12        6c8de432fc7f    12 months ago    918MB
hello-world         latest    feb5d9fea6a5    19 months ago    13.3kB
ankit@sf-cpu-082:~/Documents/Assignment/Docker/docker-training/Task-4$ docker push desibabu/ping
Using default tag: latest
The push refers to repository [docker.io/desibabu/ping]
```

- It's also possible push images to non-DockerHub repositories, such as ones provided by AWS Elastic Container Registry, by changing the repository part of the tag to match the appropriate URL.