

Docker Tutorial Part-3:

- **How to Share Docker Image,**
- **How to run it**

Step-1: create an account in Docker hub

- Got to <https://hub.docker.com/>
- Click on "Sign up"
- Sign up by gmail account

Step-2: login to your Docker hub account

- Got to <https://hub.docker.com/>
- Click on "Login"
- Login by gmail account

Step-3:

create a repository in Docker hub

- Got to <https://hub.docker.com/> and login
- Click on "Create Repository"
- Type a name "getting-started" as repository
- Select "Public"
- Click on "Create"

Login and Push Docker Image to Docker hub from VSCODE Terminal

- Open VSCODE Terminal and type below way to login Docker hub

```
docker login -u yourdockerhubusername ←-|  
password:your password type here
```

- Rename your docker image as yourusername/yourdockerimagename

```
docker tag getting-started touhidbd9952/getting-started ←-|
```

- Push Docker image to Docker hub

```
docker push touhidbd9952/getting-started ←-|
```

Step-4:

Test your docker-hub uploaded image just for 4 hour

- Open browser and type <https://labs.play-with-docker.com/> and click on "Start"
- Click on "Add New Instance"
- Type

```
docker run -p 3000:3000 touhidbd9952/getting-started ←-|
```

```
#####
#                               WARNING!!!!                               #
# This is a sandbox environment. Using personal credentials             #
# is HIGHLY! discouraged. Any consequences of doing so are             #
# completely the user's responsibilities.                                #
#                               #####                                    #
# The PWD team.                                                         #
#####
[node1] (local) root@192.168.0.18 -
$ docker run -p 3000:3000 prant4/getting-started
```

- After successfully pull, container will run
- To check the output, click on above "3000" of labs.play-with-docker.com

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You can also do same activity like vscode terminal

docker image

docker image rm -f ursername/dockerimagename

```
latest: Pulling from prant4/getting-started
c41833b44d91: Pull complete
762c2470eea4: Pull complete
fefc7d195eee: Pull complete
06fc22ed341f: Pull complete
7d5297108a06: Pull complete
d9c76497bca4: Pull complete
83626dab30fd: Pull complete
Digest: sha256:bd0491ee2b36778f3cb2e45db52d096e551670d6cbf8b619e1a353df6fae8ee5
Status: Downloaded newer image for prant4/getting-started:latest
WARNING: The requested image's platform (linux/arm64/v8) does not match the detected
exec /usr/local/bin/docker-entrypoint.sh: exec format error
[node1] (local) root@192.168.0.18 -
$ docker run -p 3000:3000 prant4/getting-started
WARNING: The requested image's platform (linux/arm64/v8) does not match the detected
exec /usr/local/bin/docker-entrypoint.sh: exec format error
[node1] (local) root@192.168.0.18 -
$ docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
prant4/getting-started latest       cc698ad936dc      2 weeks ago     262MB
[node1] (local) root@192.168.0.18 -
$ docker image rm prant4/getting-started
Error response from daemon: conflict: unable to remove repository reference "prant4/
ferenced image cc698ad936dc
[node1] (local) root@192.168.0.18 -
$ docker image rm -f prant4/getting-started
Untagged: prant4/getting-started:latest
Deleted: sha256:cc698ad936dcc45f69492c2207464b1f8009731d99806fc19cdc1968b263bd4a
[node1] (local) root@192.168.0.18 -
$ d
```

In vscode, you can build docker image for specific platform

```
DEBUG CONSOLE  TERMINAL  PROBLEMS  > zsh + v
+ app git:(master) x docker build --platform linux/amd64 -t prant4/getting-started .
```

