

## Assignment -4

Assignment Date	15 October 2022
Student Name	KARTHIKEYAN B (TL)
Student Roll Number	211419104125
Maximum Marks	2 Marks

### Question:

Pull an Image from docker hub and run it in docker playground.

### Solution:

**Step-1:** go-to [labs.play-with-docker.com](https://labs.play-with-docker.com)



**Step-2:** Login using docker hub account & create new instance

03:58:32

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.8  
node1

cd95hcm0\_cd95hoe0qau0008haqeg

IP  
192.168.0.8

OPEN PORT

Memory

CPU

SSH  
ssh ip172-18-0-76-cd95hcm0qau0008haqeg@direct.labs.plk

DELETE

EDITOR

```
#####
# 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@192.168.0.8 ~
$ docker version
Client:
Version:      20.10.17
API version:  1.41
Go version:   go1.17.11
Git commit:   100c701
Built:        Mon Jun  6 22:56:42 2022
OS/Arch:      linux/amd64
Context:      default
Experimental: true

Server: Docker Engine - Community
Engine:
```

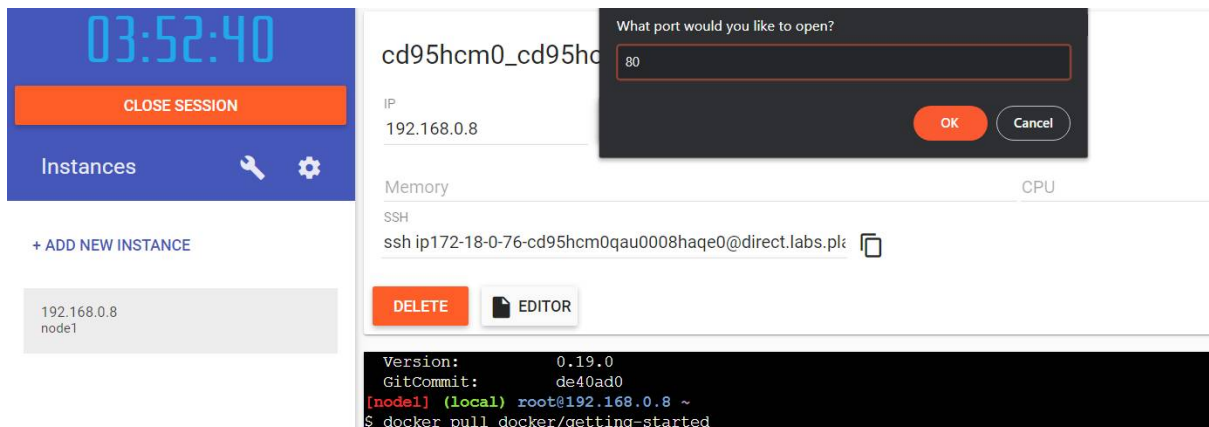
**Step-3:** pull docker/getting-started from docker hub using ``docker pull docker/getting-started``

```
[node1] (local) root@192.168.0.8 ~
$ docker pull docker/getting-started
Using default tag: latest
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867cba5fcbd: Pull complete
4b639e65cb3b: Pull complete
061ed9e2b976: Pull complete
bc19f3e8eeb1: Pull complete
4071be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558be874169471bd4e65bd6eac8c303b271a7ee8553ba47481b73b2bf597aae
Status: Downloaded newer image for docker/getting-started:latest
docker.io/docker/getting-started:latest
```

**Step-4:** run docker/getting-started using ``docker run -d -p 80:80 docker/getting-started``

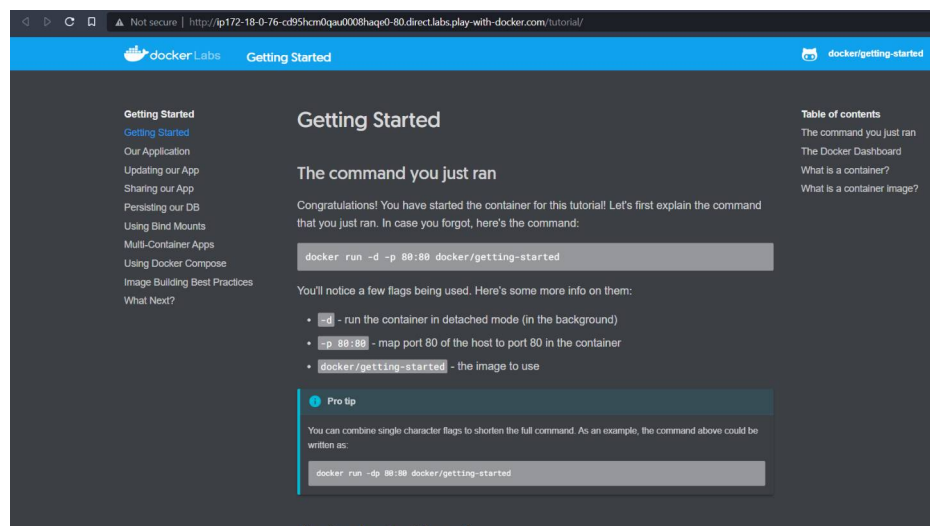
```
[node1] (local) root@192.168.0.8 ~
$ docker run -d -p 80:80 docker/getting-started
e72f4f210616fb8853e62e2f789a96a4fdbf46954df3e14e000aced037e6a6ed
[node1] (local) root@192.168.0.8 ~
```

**Step-5:** open the port



The screenshot shows the Docker Labs interface. On the left, there's a sidebar with a clock showing 03:52:40, a 'CLOSE SESSION' button, and an 'Instances' section. Below that, there's a '+ ADD NEW INSTANCE' button and a list of instances, including one named '192.168.0.8 node1'. The main area displays details for a container named 'cd95hcm0\_cd95hcm0' with IP '192.168.0.8'. It shows 'Memory' and 'CPU' usage, an 'SSH' button, and a terminal window. A modal dialog is open asking 'What port would you like to open?' with '80' entered. The terminal window shows the command 'docker pull docker/getting-started'.

**Output:**



The screenshot shows the Docker Labs 'Getting Started' page. The page has a sidebar with a list of links: 'Getting Started', 'Getting Started', 'Our Application', 'Updating our App', 'Sharing our App', 'Persisting our DB', 'Using Bind Mounts', 'Multi-Container Apps', 'Using Docker Compose', 'Image Building Best Practices', and 'What Next?'. The main content area is titled 'Getting Started' and contains the text 'The command you just ran'. It shows the command 'docker run -d -p 80:80 docker/getting-started' and explains the flags: '-d' for detached mode, '-p 80:80' for port mapping, and 'docker/getting-started' for the image. A 'Pro tip' section suggests combining flags to shorten the command. The page also has a 'Table of contents' on the right side.