

## Assignment - 4

Assignment Date	22 October 2022
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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-cd95hcm0qau0008haqe0@direct.labs.pli

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 Direct 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 '192.168.0.8 node1'. The main panel shows details for the instance 'cd95hcm0\_cd95hcm0' with IP '192.168.0.8'. It includes a 'Memory' and 'CPU' section, an 'SSH' section with a terminal icon, and 'DELETE' and 'EDITOR' buttons. A modal dialog is open, asking 'What port would you like to open?' with '80' entered. Below the modal, there's a terminal window showing the command 'docker pull docker/getting-started'.

**Output:**

The screenshot shows the 'Getting Started' page on the dockerLabs website. The page has a dark theme and a blue header. The main content area is titled 'Getting Started' and contains the text 'The command you just ran'. Below this, it says 'Congratulations! You have started the container for this tutorial! Let's first explain the command that you just ran. In case you forgot, here's the command:' followed by a code block containing the command 'docker run -d -p 80:80 docker/getting-started'. Below the code block, it says 'You'll notice a few flags being used. Here's some more info on them:' followed by a list of flags: '-d' (run the container in detached mode), '-p 80:80' (map port 80 of the host to port 80 in the container), and 'docker/getting-started' (the image to use). A 'Pro tip' section suggests combining flags to shorten the command, showing the command 'docker run -dp 80:80 docker/getting-started'.

