# Hands on Lab

## Estimate time to complete: 10 mins

WORKING WITH DOCKERFILE

1. Go to [https://hub.docker.com](https://hub.docker.com/)
2. Sign up for a free **Docker ID**. *\*\*\* Not required if already having an account*
3. Go to [http://training.play-with-docker.com/beginner-linux](http://training.play-with-docker.com/beginner-linux/)
4. Click on Log-in access button
5. Provide Docker ID / Password and Login
6. *Ignore the Left Panel for this tutorial*
7. Try the below commands:

$ mkdir demo01

$ cd demo01

$ vi server.js

## press “i” and right click on the screen to copy and paste the code from below:

var http = require('http');

var handleRequest = function (req, res) {

res.writeHead(200);

res.end('Hello from Docker!');

};

var www = http.createServer(handleRequest);

www.listen(process.env.PORT || 3000);

## press “esc” and type “:wq” to save the server.js file

$ vi Dockerfile

## press “i” and right click on the screen to copy and paste the code from below:

FROM node:6

EXPOSE 3000

COPY server.js .

CMD node server.js

## press “esc” and type “:wq” to save the Dockerfile file

# to build the image based on the Dockerfile

$ docker image build –t matinsayed/nodeapp .

# run the container based on the image created

$ docker container run –d –p 3000:3000 --name nodeapp matinsayed/nodeapp

# view the node application running within the container from the host

$ curl <http://localhost:3000>

# output :

Hello from Docker !

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