

1. Create an image from Dockerfile

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson3$ sudo docker build -t my-app .
[sudo] password for vladyslavpodkhaliuzin:
[+] Building 0.2s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 104B
=> [internal] load metadata for docker.io/library/nginx:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 285B
=> [1/2] FROM docker.io/library/nginx:latest
=> [2/2] COPY index.html /usr/share/nginx/html/index.html
=> exporting to image
=> => exporting layers
=> => writing image sha256:632d3dcf016d0f3205173c70676dd6a57a7ed859bc7ea0a16ee27cb0e4baaeec
=> => naming to docker.io/library/my-app
```

2. Make sure it has been created

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson3$ sudo docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
my-app	latest	632d3dcf016d	23 seconds ago	197MB
hello-world	latest	f1f77a0f96b7	2 weeks ago	5.2kB
gitea/gitea	1.22.6	071c5c0e37f4	8 weeks ago	177MB
nginx	latest	0dff3f9967e3	2 months ago	197MB
postgres	14	0ab8e2d50b0a	2 months ago	444MB

3. Start a new docker container from my image

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson3$ sudo docker run -d -p 8080:80 my-app
d78ad4130ba20861b8de7e10a19418d16302abe50c5c04405612168c31ff40e4
```

4. Make sure it's up and running

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson3$ sudo docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
d78ad4130ba2	my-app	"/docker-entrypoint..."	About a minute ago	Up About a minute	0.0.0.0:8080->80/tcp, [::]:8080->80/tcp	nostalgic_khorana

5. Curl localhost

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson3$ curl http://localhost:8080
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome</title>
</head>
<body>
  <h1>Hello from Vladyslav Podkhaliuzin</h1>
</body>
```