Pull image “bash” and get the id of the image from metadata.
Start the container from the “bash” image with name <your_username>_hw_1, run the command “ls” inside it (pass it as an argument without detaching) and show the output.
Check the metadata of the “nginx” image and get:
- version of nginx application (check the environment section)
- e-mail address of its maintainer
Create <your_username>_index.html with random content and mount it to /usr/share/nginx/html/index.html inside a new container based on nginx image (name it <your_username>_hw_2). Then show the output of «curl -v localhost» executed inside this container.

Let us make new directory for this task

```
[node1] (local) root@10.0.55.4 ~
$ mkdir 29HW
[node1] (local) root@10.0.55.4 ~
$ ls
29HW
[node1] (local) root@10.0.55.4 ~
$ cd
.ssh/ 29HW/
[node1] (local) root@10.0.55.4 ~
$ cd 29HW/
[node1] (local) root@10.0.55.4 ~/29HW
$ ls
[node1] (local) root@10.0.55.4 ~/29HW
```

Let us pull the image bash

```
$ sudo docker pull bash
Using default tag: latest
latest: Pulling from library/bash
4abcf2066143: Pull complete
9202680e8b04: Pull complete
9348d69e180f: Pull complete
Digest: sha256:8e45c8ffe44db8784197f7c849a22292b446d76895f65646717b5a2152114d6e
Status: Downloaded newer image for bash:latest
docker.io/library/bash:latest
[node1] (local) root@10.0.55.4 ~/29HW
```

Let us see the Image id

```
$ sudo docker images
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
bash         latest    b6281a9c2552   6 weeks ago    14MB
```

Start the container from the “bash” image with name <your_username>_hw_1

```
$ sudo docker run --name irina_hw_1 bash
[node1] (local) root@10.0.55.4 ~/29HW
```

run the command “ls” inside it (pass it as an argument without detaching) and show the output.

```
$ sudo docker container ls
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
```

Check the metadata of the “nginx” image and get:
- version of nginx application (check the environment section)
- e-mail address of its maintainer

```
[node1] (local) root@10.0.55.4 ~/29HW
$ sudo docker image inspect nginx
```

```
"NGINX_VERSION=1.25.4",
```

```
    "maintainer": "NGINX Docker Maintainers <docker-maint@nginx.com>"
},
```

Let us see usual index.html file by default for nginx
Let us run docker nginx

```
$ sudo docker run --name irina_hw_3 -d nginx
```

And usual nginx index.html file by default was

```
$ docker exec -it irina_hw_3 curl localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
```

Create <your_username>_index.html with random content

```
$ vi irina_index.html
```

```
$ less irina_index.html
```

```
<html>
<body>
HI
</body>
</html>
```

and mount it to /usr/share/nginx/html/index.html inside a new container based on nginx image (name it <your_username>_hw_2).

Then show the output of «curl -v localhost» executed inside this container.

```
$ sudo docker run --name irina_hw_2 -v /root/irina_index.html:/usr/share/nginx/html/index.html -d nginx
2d34127e0cc6f3a52683337a46d162135a2839d91707a12d224807c62f8e9fc7
[node1] (local) root@10.0.68.4 ~
$ sudo docker exec -it irina_hw_2 curl localhost
<html>
 <body>
 HI
 </body>
</html>
```