

## 1. 完成本地 hub 的搭建，并截图。

```
jenny@192 ceshiren_homework % docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
myjenkins	v1.0	16ff77e7fc5f	2 hours ago	481MB
node	latest	0e0ab07dbedd	2 days ago	999MB
atlassian/jira-software	latest	8fcff5c30df5	5 days ago	1.09GB
bitnami/mariadb	latest	284d9e83929d	7 days ago	372MB
busybox	latest	7cfbbec8963d	9 days ago	4.86MB
localhost:5000/busybox	v1.0	7cfbbec8963d	9 days ago	4.86MB
jenkins/jenkins	lts	d5ed2ceef0ec	2 weeks ago	471MB
nginx	1.23.3	904b8cb13b93	3 weeks ago	142MB
nginx	latest	904b8cb13b93	3 weeks ago	142MB
localhost:5000/nginx	v2.0	904b8cb13b93	3 weeks ago	142MB
registry	2	0d153fadf70b	6 weeks ago	24.2MB
bitnami/testlink	latest	5dcab5be0d91	12 months ago	548MB
selenium/node-chrome	4.0.0-rc-2-prerelease-20210923	65bf42806285	18 months ago	1.19GB
selenium/hub	4.0.0-rc-2-prerelease-20210923	1400a1793745	18 months ago	362MB
mysql	5.5	d404d78aa797	3 years ago	205MB

## 2. 不使用挂载的方式，而是通过 Docker 制作的方式实现对 Nginx 的默认页的修改，把制作的 Dockerfile 和首页 html 传到代码仓。

```
1 jenny@192 dockerfile % docker build -t mylocalnginx:v3.0 .
2 [+] Building 0.2s (5/5) FINISHED

3 => [internal] load build definition from Dockerfile
0.0s

4 => => transferring dockerfile: 63B
0.0s

5 => [internal] load .dockerignore
0.0s

6 => => transferring context: 2B
0.0s

7 => [internal] load metadata for docker.io/library/nginx:latest
0.0s

8 => [1/1] FROM docker.io/library/nginx:latest
0.1s

9 => exporting to image
0.0s

10 => => exporting layers
```

0.0s

```
11 => => writing image  
sha256:e58e8b6e02964c105a86ea05b960ac1743e2b7b96b148380c70df587a70b4265
```

0.0s

```
12 => => naming to docker.io/library/mylocalnginx:v3.0
```

0.0s

```
13 jenny@192 dockerfile % docker images
```

REPOSITORY	SIZE	TAG	IMAGE ID	
CREATED				
myjenkins hours ago	481MB	v1.0	16ff77e7fc5f	2
node days ago	999MB	latest	0e0ab07dbedd	2
atlassian/jira-software days ago	1.09GB	latest	8fcff5c30df5	5
bitnami/mariadb days ago	372MB	latest	284d9e83929d	7
busybox days ago	4.86MB	latest	7cfbbec8963d	9
localhost:5000/busybox days ago	4.86MB	v1.0	7cfbbec8963d	9
jenkins/jenkins weeks ago	471MB	lts	d5ed2ceef0ec	2
mylocalnginx weeks ago	142MB	v3.0	e58e8b6e0296	3
nginx weeks ago	142MB	1.23.3	904b8cb13b93	3
nginx weeks ago	142MB	latest	904b8cb13b93	3
localhost:5000/nginx weeks ago	142MB	v2.0	904b8cb13b93	3
registry weeks ago	24.2MB	2	0d153fadf70b	6
bitnami/testlink months ago	548MB	latest	5dcab5be0d91	12
selenium/node-chrome months ago	1.19GB	4.0.0-rc-2-prerelease-20210923	65bf42806285	18
selenium/hub months ago	362MB	4.0.0-rc-2-prerelease-20210923	1400a1793745	18
mysql years ago	205MB	5.5	d404d78aa797	3

3. 推送自己定制好的 Nginx 镜像到本地镜像仓库 hub 中，查询本地镜像仓库中的镜像截

图。

```
1 jenny@192 dockerfile % docker tag mylocalnginx:v3.0 localhost:5000/nginx:v3.0
2 jenny@192 dockerfile % docker push localhost:5000/nginx:v3.0
3 The push refers to repository [localhost:5000/nginx]
4 101af4ba983b: Layer already exists
5 d8466e142d87: Layer already exists
6 83ba6d8fffb8c: Layer already exists
7 e161c82b34d2: Layer already exists
8 4dc5cd799a08: Layer already exists
9 650abce4b096: Layer already exists
10 v3.0: digest:
    sha256:6b20b4bed78d2f605599d0ee956782f887f3259a4d979d8218e5adaec13dc3f0 size:
    1570
11 chenjing@192 dockerfile % curl http://localhost/v2/_catalog
12 curl: (7) Failed to connect to localhost port 80 after 5 ms: Couldn't connect
    to server
13 chenjing@192 dockerfile % curl http://localhost:5000/v2/_catalog
14 {"repositories":["busybox","nginx"]}
```

#### 4. 从本地仓库拉取定制好的 Nginx 镜像，启动该 Nginx 访问并截图。

```
1 jenny@192 dockerfile % docker pull localhost:5000/nginx:v3.0
2 v3.0: Pulling from nginx
3 Digest: sha256:6b20b4bed78d2f605599d0ee956782f887f3259a4d979d8218e5adaec13dc3f0
4 Status: Image is up to date for localhost:5000/nginx:v3.0
5 localhost:5000/nginx:v3.0
6 jenny@192 dockerfile % docker run -d -p 5008:80 --name mylocalnginx
    localhost:5000/nginx:v3.0
7 docker: Error response from daemon: Conflict. The container name "/mylocalnginx"
    is already in use by container
    "a7b01a53bbdf10bd68eee09b82b4309fa02c5575abb77eb1186dbee5902218c4". You have to
    remove (or rename) that container to be able to reuse that name.
8 See 'docker run --help'.
9 jenny@192 dockerfile % docker run -d -p 5008:80 --name mylocalnginx
    localhost:5000/nginx:v3.0
10 5a0c38151c8a2868a31b3a7be0f46fda14d51fa7ba07a1ce072c06a1e05076f0
```

#### 5. 登陆nginx

# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*