

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		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			
mylocalnginx		v3.0	e58e8b6e0296	3
weeks ago	142MB			
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			

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.
Commercial support is available at nginx.com.

Thank you for using nginx.