[2:20 PM] Sandeep Dawre

Everyone , PFB

Here is DOCKER Hands on Lab 04.

*Deadline :- **16 Jan 2024 till 2:30 PM***

1. Pull the Busy-box image to your local system, tag it, and push it to the Docker Hub repository "yourname_cloudethix_busybox.

2. In your project directory, create a Dockerfile (named Dockerfile) with the following content.
*   FROM nginx:latest*
*   COPY custom-index.html /usr/share/nginx/html/index.html*
*   Ensure you also have a file named custom-index.html in the same directory.*
*   Build the Docker image using the Dockerfile you created and push it your repository.*
*   Delete the local image.*
*   Start a new container using the custom Nginx image that you just pushed.*
*   Map port 8080 on your host to port 80 in the container. Check the container page in browser.*

like 1

```
root@LAPTOP-H278KEF6:~# docker pull busybox
Using default tag: latest
latest: Pulling from library/busybox
a307d6ecc620: Pull complete
Digest: sha256:ba76950ac9eaa407512c9d859cea48114eeff8a6f12ebaa5d32ce79d4a017dd8
Status: Downloaded newer image for busybox:latest
docker.io/library/busybox:latest
root@LAPTOP-H278KEF6:~# docker image ls
REPOSITORY                     TAG       IMAGE ID       CREATED        SIZE
updateimage                    latest    2d2c5c3cbfea   47 hours ago   77.9MB
rubina                         v3        2701269af864   6 days ago     584MB
this_image                     latest    2701269af864   6 days ago     584MB
rubina1952/docker1st           v1        2701269af864   6 days ago     584MB
rubina1952/docker1st           v2        2701269af864   6 days ago     584MB
rubina1952/git_rep             v3        2701269af864   6 days ago     584MB
rubina1952/pra_practice        v4        2701269af864   6 days ago     584MB
rubina1952/pracctice_ass       v5        2701269af864   6 days ago     584MB
busybox                        latest    9211bbaa0dbd   4 weeks ago    4.26MB
ubuntu                         latest    174c8c134b2a   4 weeks ago    77.9MB
nginx                          latest    d453dd892d93   2 months ago   187MB
httpd                          latest    6fd77d7e5eb7   2 months ago   167MB
```

```
root@LAPTOP-H278KEF6:~# docker image tag busybox rubina1952/rubina_cloudethix_busybox:v1
root@LAPTOP-H278KEF6:~#
```

```
root@LAPTOP-H278KEF6:~# docker image ls
REPOSITORY                             TAG       IMAGE ID       CREATED        SIZE
updateimage                            latest    2d2c5c3cbfea   47 hours ago   77.9MB
rubina1952/pra_practice                v4        2701269af864   6 days ago     584MB
rubina1952/pracctice_ass               v5        2701269af864   6 days ago     584MB
rubina                                 v3        2701269af864   6 days ago     584MB
this_image                             latest    2701269af864   6 days ago     584MB
rubina1952/docker1st                   v1        2701269af864   6 days ago     584MB
rubina1952/docker1st                   v2        2701269af864   6 days ago     584MB
rubina1952/git_rep                     v3        2701269af864   6 days ago     584MB
busybox                                latest    9211bbaa0dbd   4 weeks ago    4.26MB
rubina1952/rubina_cloudethix_busybox   v1        9211bbaa0dbd   4 weeks ago    4.26MB
ubuntu                                 latest    174c8c134b2a   4 weeks ago    77.9MB
nginx                                  latest    d453dd892d93   2 months ago   187MB
httpd                                  latest    6fd77d7e5eb7   2 months ago   167MB
root@LAPTOP-H278KEF6:~#
```

```
root@LAPTOP-H278KEF6:~# docker push rubina1952/rubina_cloudethix_busybox:v1
The push refers to repository [docker.io/rubina1952/rubina_cloudethix_busybox]
82ae998286b2: Mounted from library/busybox
v1: digest: sha256:7de5fa822a9d1e507c36565ee0cf50c08faa64505461c844a3ce3944d23efa35 size: 527
root@LAPTOP-H278KEF6:~#
```

rubina1952 / Repositories / rubina_cloudethix_busybox / General

General   Tags   Builds   Collaborators   Webhooks   Settings

rubina1952 / **rubina_cloudethix_busybox**

Description

for assignment 🖉

🕒 Last pushed: less than a minute ago

Docker command

To push a new tag to

```
docker push rub
name
```

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
🟢 v1	🐧	Image	---	a few seconds ago

See all

Automated Build

Manually pushing im
Bitbucket to automat
code is updated, so y

Available with Pro, T
automated builds ↗.

Upgrade

```
root@LAPTOP-H278KEF6:~# mkdir project
root@LAPTOP-H278KEF6:~# cd project/
root@LAPTOP-H278KEF6:~/project# vim dockerfile
```

```
FROM nginx:latest
COPY custom-index.html /usr/share/nginx/html/index.html

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"dockerfile" 3L, 75C
```

```
root@LAPTOP-H278KEF6:~/project# cat custom-index.html
hello this is my 4th docker assignment.
root@LAPTOP-H278KEF6:~/project#
```

```
root@LAPTOP-H278KEF6:~/project# vim custom-index.html
root@LAPTOP-H278KEF6:~/project# docker image build -t rubina1952/nginx:v2 .
[+] Building 0.2s (7/7) FINISHED
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build definition from dockerfile
 => => transferring dockerfile: 112B
 => [internal] load metadata for docker.io/library/nginx:latest
 => [internal] load build context
 => => transferring context: 84B
 => [1/2] FROM docker.io/library/nginx:latest
 => [2/2] COPY custom-index.html /usr/share/nginx/html/index.html
 => exporting to image
 => => exporting layers
 => => writing image sha256:59696ee3290a442f5c3be14999571d73fff7a85bb5e8cd65d2bdaa2414b09ff0
 => => naming to docker.io/rubina1952/nginx:v2
root@LAPTOP-H278KEF6:~/project#
```

```
root@LAPTOP-H278KEF6:~/project# docker image ls
REPOSITORY                           TAG      IMAGE ID       CREATED         SIZE
rubina1952/nginx                     v2       59696ee3290a   3 minutes ago   187MB
updateimage                          latest   2d2c5c3cbfea   47 hours ago    77.9MB
rubina1952/docker1st                 v1       2701269af864   6 days ago      584MB
rubina1952/docker1st                 v2       2701269af864   6 days ago      584MB
rubina1952/git_rep                   v3       2701269af864   6 days ago      584MB
rubina1952/pra_practice              v4       2701269af864   6 days ago      584MB
rubina1952/pracctice_ass             v5       2701269af864   6 days ago      584MB
rubina                               v3       2701269af864   6 days ago      584MB
this_image                           latest   2701269af864   6 days ago      584MB
busybox                              latest   9211bbaa0dbd   4 weeks ago     4.26MB
rubina1952/rubina_cloudethix_busybox v1       9211bbaa0dbd   4 weeks ago     4.26MB
ubuntu                               latest   174c8c134b2a   4 weeks ago     77.9MB
nginx                                latest   d453dd892d93   2 months ago    187MB
httpd                                latest   6fd77d7e5eb7   2 months ago    167MB
```

```
root@LAPTOP-H278KEF6:~/project# docker push rubina1952/nginx:v2
The push refers to repository [docker.io/rubina1952/nginx]
28f907cb4ec4: Pushed
b074db3b55e1: Mounted from library/nginx
e50c68532c4a: Mounted from library/nginx
f6ba584ca3ec: Mounted from library/nginx
01aaa195cdad: Mounted from library/nginx
2a13e6a7cca6: Mounted from library/nginx
370869eba6e9: Mounted from library/nginx
7292cf786aa8: Mounted from library/httpd
v2: digest: sha256:c5ed304a71921d47a005b235cabec4a555582c514cd46f511efdf2062e954cbc size: 1985
root@LAPTOP-H278KEF6:~/project#
```



```
root@LAPTOP-H278KEF6:~/project# docker image rm rubina1952/nginx:v2
Untagged: rubina1952/nginx:v2
Untagged: rubina1952/nginx@sha256:c5ed304a71921d47a005b235cabec4a555582c514cd46f511efdf2062e954cbc
Deleted: sha256:59696ee3290a442f5c3be14999571d73fff7a85bb5e8cd65d2bdaa2414b09ff0
root@LAPTOP-H278KEF6:~/project#
```

```
See 'docker run --help'.
root@LAPTOP-H278KEF6:~/project# docker  container run  -itd --name nginx_rubina -p 8080:80 rubina1952/nginx:v2
Unable to find image 'rubina1952/nginx:v2' locally
v2: Pulling from rubina1952/nginx
af107e978371: Already exists
336ba1f05c3e: Already exists
8c37d2ff6efa: Already exists
51d6357098de: Already exists
782f1ecce57d: Already exists
5e99d351b073: Already exists
7b73345df136: Already exists
3961c435cbf5: Already exists
Digest: sha256:c5ed304a71921d47a005b235cabec4a555582c514cd46f511efdf2062e954cbc
Status: Downloaded newer image for rubina1952/nginx:v2
9dbcf57eccb2b5f6e109bdacb506f26b285d9ccc041d94b297b109f298ba254e
root@LAPTOP-H278KEF6:~/project# docker container ls
CONTAINER ID   IMAGE                 COMMAND                CREATED          STATUS          PORTS                                         NAMES
9dbcf57eccb2   rubina1952/nginx:v2   "/docker-entrypoint.…"  13 seconds ago   Up 12 seconds   0.0.0.0:8080->80/tcp, :::8080->80/tcp         nginx_rubina
e87ee61863be   httpd                 "httpd-foreground"     5 days ago       Up 57 minutes   80/tcp                                        always_policy
cdf5a88c6beb   httpd                 "httpd-foreground"     5 days ago       Up 57 minutes   80/tcp                                        docker_cont_no_policy
root@LAPTOP-H278KEF6:~/project# curl localhost:8080
hello this is my 4th docker assignment.
root@LAPTOP-H278KEF6:~/project# ip r l
default via 172.24.64.1 dev eth0 proto kernel
172.17.0.0/16 dev docker0 proto kernel scope link src 172.17.0.1
172.24.64.0/20 dev eth0 proto kernel scope link src 172.24.70.192
root@LAPTOP-H278KEF6:~/project#
```

hello this is my 4th docker assignment.