

Problem 2

- Run container centos or ubuntu in an interactive mode

```
[reem@localhost~Sun Apr 13 15:32:19]$ docker run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
2726e237d1a3: Already exists
Digest: sha256:1e622c5f073b4f6bfad6632f2616c7f59ef256e96fe78bf6a595d1dc4376ac02
Status: Downloaded newer image for ubuntu:latest
root@287379f5f908:/#
```

- Run the following command in the container
"echo docker "

```
[reem@localhost~Sun Apr 13 15:32:19]$ docker run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
2726e237d1a3: Already exists
Digest: sha256:1e622c5f073b4f6bfad6632f2616c7f59ef256e96fe78bf6a595d1dc4376ac02
Status: Downloaded newer image for ubuntu:latest
root@287379f5f908:/# echo docker
docker
```

- Open a bash shell in the container and touch a file named hello-docker

```
[reem@localhost~Sun Apr 13 15:39:00]$ docker run -it ubuntu bash
root@0098d7ab3854:/# touch hello-docker
root@0098d7ab3854:/# ls
bin boot dev etc hello-docker home lib lib64 media mnt opt proc root run sbin srv sys usr var
root@0098d7ab3854:/#
```

- Stop the container and remove it. Write your comment about the file hello-docker

```
[reem@localhost~Sun Apr 13 15:45:58]$ docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
0098d7ab3854   ubuntu   "bash"    6 minutes ago   Up 24 seconds             inspiring_cannon
[reem@localhost~Sun Apr 13 15:46:04]$ docker stop 0098d7ab3854
0098d7ab3854
[reem@localhost~Sun Apr 13 15:46:42]$ docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
0098d7ab3854   ubuntu   "bash"    7 minutes ago   Exited (137) 4 seconds ago             inspiring_cannon
[reem@localhost~Sun Apr 13 15:46:46]$
[reem@localhost~Sun Apr 13 15:46:50]$
[reem@localhost~Sun Apr 13 15:46:50]$ docker rm 0098d7ab3854
0098d7ab3854
[reem@localhost~Sun Apr 13 15:47:08]$ docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
[reem@localhost~Sun Apr 13 15:47:11]$
```

- Remove all stopped containers

```
[reem@localhost~Sun Apr 13 15:47:11]$ docker container prune
WARNING! This will remove all stopped containers.
Are you sure you want to continue? [y/N] y
Total reclaimed space: 0B
[reem@localhost~Sun Apr 13 15:51:29]$
```