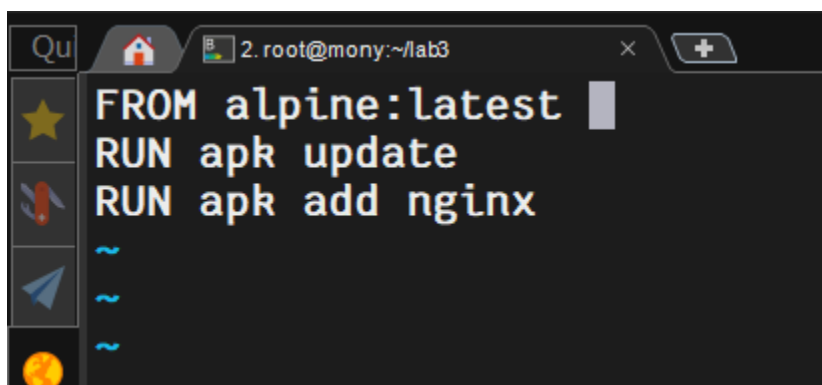


```
[root@mony ~]# docker run -d -p 5000:5000 --name registry registry:2
Unable to find image 'registry:2' locally
2: Pulling from library/registry
c926b61bad3b: Already exists
5501dced60f8: Pull complete
e875fe5e6b9c: Pull complete
21f4bf2f86f9: Pull complete
98513cca25bb: Pull complete
Digest: sha256:0a182cb82c93939407967d6d71d6caf11dcef0e5689c6afe2d60518e3b34ab86
Status: Downloaded newer image for registry:2
7a0ed8d7ca793920d9ca2c0d34517fd9c91b9caf918f10629010a1020d1c94c1
```

```
[root@mony ~]# mkdir lab3
[root@mony ~]# cd lab3
[root@mony lab3]# vi Dockerfile
[root@mony lab3]# docker build -t iti-lab3 .
```



```
[root@mony lab3]# docker build -t iti-lab3 .
[+] Building 35.9s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 150B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/alpine:latest
=> [auth] library/alpine:pull token for registry-1.docker.io
=> CACHED [1/3] FROM docker.io/library/alpine:latest@sha256:51b67269f354137895d43f3b3d810bfa
=> [2/3] RUN apk update
=> [3/3] RUN apk add nginx
=> exporting to image
=> => exporting layers
=> => writing image sha256:90de171b5d9cc3ba2dc6464ac182250181c1c3a657f598231b69319cae770b99
=> => naming to docker.io/library/iti-lab3
```

```
[root@mony lab3]# docker image tag iti-lab3 localhost:5000/myfirstimage
[root@mony lab3]# docker push localhost:5000/myfirstimage
Using default tag: latest
The push refers to repository [localhost:5000/myfirstimage]
867a24220c14: Pushed
bd717f24f65e: Pushed
5f70bf18a086: Pushed
09b951ed45de: Pushed
5af4f8f59b76: Pushed
latest: digest: sha256:ffd0ce73e8f2c405293ffd414c1a72acd1b9bb7b0cdf90313bebafa5f9a8a05 size: 1362
[root@mony lab3]# docker pull localhost:5000/myfirstimage
Using default tag: latest
latest: Pulling from myfirstimage
Digest: sha256:ffd0ce73e8f2c405293ffd414c1a72acd1b9bb7b0cdf90313bebafa5f9a8a05
```

Part2

```
[root@mony ~]# mkdir lab3-part2
[root@mony ~]# cd lab3
lab3/      lab3-part2/
[root@mony ~]# cd lab3-part2/
[root@mony lab3-part2]# vi docker-compose.yml
[root@mony lab3-part2]# docker-compose up -d
```

```
2. root@mony:~/lab3-part2
version: '3.8'
services:
  wordpress:
    image: wordpress:latest
    ports:
      - "8080:8080"
    environment:
      WORDPRESS_DB_HOST: db
      WORDPRESS_DB_USER: wordpress
  db:
    image: mysql:5.7
    volumes:
      - /tmp/lab3-part2/to/mysql:/var/lib/mysql
    environment:
      MYSQL_DATABASE: wordpress
      MYSQL_USER: wordpress
```

```
[root@mony lab3-part2]# docker compose up -d
[+] Running 34/13
 ✓ db 11 layers [#####] 0B/0B Pulled 768.8s
 ✓ wordpress 21 layers [#####] 0B/0B Pulled 1022.8s

[+] Running 3/3
 ✓ Network lab3-part2_default Created 0.7s
 ✓ Container lab3-part2-db-1 Started 7.2s
 ✓ Container lab3-part2-wordpress-1 Started 7.2s
[root@mony lab3-part2]#
```