Week-10 [Docker Commands]

In MobaXterm :-

1. sudo apt update
2. sudo apt install docker.io -y
3. sudo systemctl start docker
4. sudo systemctl enable docker
5. sudo systemctl status docker
6. docker run hello-world
7. sudo usermod -aG docker ubuntu
8. docker run hello-world
9. logout
10. logout
11. Click R
12. docker run hello-world
13. mkdir docker2
14. cd docker2
15. vim app.py → sudo cat app.py
16. vim dockerfile → sudo cat appy
17. ls
18. docker build -t pooja742/image1:latest .
19. docker run -it pooja742/img:latest
20. docker login
21. docker push pooja742/image1:latest.

15/3/25

Evelyn (stockholm)

① Docker-Hub Sign Up.
↳ Email :- mpoojasonu28@gmail
Pass : MBC@12,

② In home page → select dockerHub.
[Explore with Docker-Hub].

③ Open github.com/devisai/week8
→ Download Dockerfile.txt
(Open in notepad and put it aside)

④ Come back to Docker-Hub
→ Click on Create a Repository
→ give repository name as ~~week6~~ image12

⑤ Come to AWS
→ create an instance named docker.
→ create new key pair name as p1
→ Allow HTTP traffic and HTTPS traffic.

⑥ Search Mobaxterm in your system.
If not there → Type Mobaxterm download for windows.
→ click on Mobaxterm Home Edition V25.0
(Installer edition).

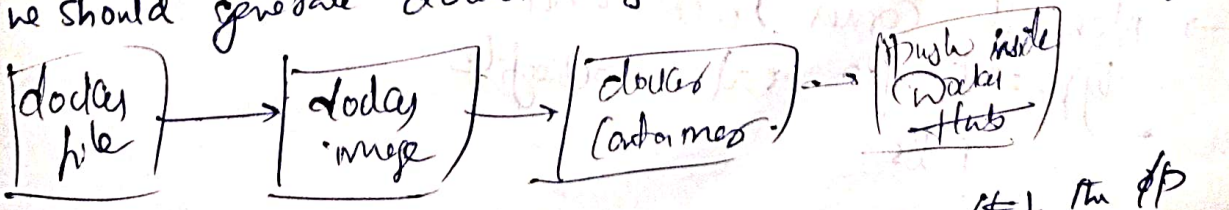
⑦ Open Mobaxterm, go to session → Select SSH.
→ paste Public key of docker instance → (from details only)

→ click on sftcsfy username → type ubuntu.
→ and in Advanced SSH settings → click use private key
browse and open the .ppk file and click Ok
and accept.

② type: $ clear
type:- $ sudo apt update.
type:- $ sudo apt install docker.io -y.
type: $ sudo systemctl start docker
type: $ sudo systemctl enable docker
type: $ sudo systemctl status docker.
↓
active (running).

to come out :- ctrl+z.
type:- $ docker run hello-world → permission denied.
so to give permission type:-
type:- $ sudo usermod -aG docker ubuntu
again type:- $ sudo docker run hello-world → again permission denied.
Now we have to logout :- $ logout
$ logout → 2 times

③ Press R → to restart.
type: $ clear
type:- $ docker run hello-world → some info will come.
Now we should generate docker image (build) → to do this first make dockerfile.



Without installation of any software, we can run/test the app using Docker.

(16) Creating Docker file :-
(Which we copied in notepad).

(17) Come back in mobaxterm

Type :- $ mkdir docker1
Type :- $ cd docker1
Type :- $ vim app.py ⟶ "app.py" [New]
↓
to make it insert mode
type "i"
→ to do any editing.

Type :- print ("hello World") ⟶ ~~any~~ just ~~type~~ on keyboard.

~~Type~~
→ click on esc to come out of insert.
Type :- :wq! and enter ⟶ now file is saved.

to check type :- $ sudo cat app.py.

→ again Type :- $ vim dockerfile
↳ type "i".
→ come to notepad and copy all
→ and paste in the Moba ⟶ just ~~Right~~ click
→ click Esc and type :- $:wq!.

→ Now it comes back and
type :- $ sudo. cat dockerfile
$ ls
app.py dockerfile.

(11) Now docker file is done next step is to create docker image.

→ type :- $ docker build -t pooja742/image12 :latest .

In dockerHub → image12 repository. copy username/repo name

pooja742/image12

→ $ docker build -t pooja742/image12 : latest .

→ type :- $ docker images

(to check if image is created or not) .

→ type :- $ docker run -it pooja742/image12 : latest .

o/p :- helloWorld .

→ To push in docker Hub :- .

type : $ docker login

username : pooja742

Password :- - - - -

Login Succeded .

→ type :- $ docker push pooja742/image12 : latest .

It'll push.

Tomcat → Tomcat 10 → 32-bit/64bit Windows

next → next → Host Manager ☑ path ☑ both

next → Connector port → 9090

Username → admin

password → admin

& ☑ Run Apache Tomcat only.