

SEPTEMBER 2023						
Wk	S	M	T	W	T	F
35		1	2			
36	3	4	5	6	7	8
37	9	10	11	12	13	14
38	15	16	17	18	19	20
39	22	23	24	25	26	27
	28	29	30			

2023

Thursday

AUGUST '23

35th Week • 236 - 129

24

Docker.

09.00 X What is Docker?

Docker is an open source platform for developing, shipping, and running applications.

Docker is a platform which packages all its dependencies together in the form of containers.

06.00 Q. What problem docker solves?

→ mismatch dependency.

Python 2.7
Project

Python 3.7
Project

NOTES: Computer 1

Computer 2.

This problem is solved by docker.

AUGUST

25

Friday

35th Week • 237 • 128

AUGUST '23

2023

WK	S	M	T	W	F	S
31			1	2	3	4
32	6	7	8	9	10	11
33	13	14	15	16	17	18
34	20	21	22	23	24	25
35	27	28	29	30	31	

container

Python 2.7

projet

darker

full container

Python 3.8

projet.

marked.

09.00

10.00

11.00

01.00

02.00

03.00

04.00

05.00

06.00

NOTES:

Container with Python 2.7 project
Container with Python 3.8 project

→ ye package konga Sara chee ko
 and ek jagah transfer karaye
 then agar pura container transfer karaye
 to

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	30					

AUGUST '23

Saturday

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26

Understand the Docker.

Container
↓

Jar 8 → APP
Application
Dependencies

Container
↓

APP
Dependencies

← Jar 11

Dockerfile

Application



↓ Manage Container



↑ Manage Container



↑ Manage Container



↑ Manage Container



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AUGUST 2023						
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31			1	2	3	4
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28

Monday

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AUGUST '23

09.00 * Dockerfile, Image and Container

09.00 Dockerfile → Text document which contains all the commands that a user can call on assemble the command image.

05.00 Docker Image :- Template to create docker container.

NOTES :

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	30					

AUGUST '23

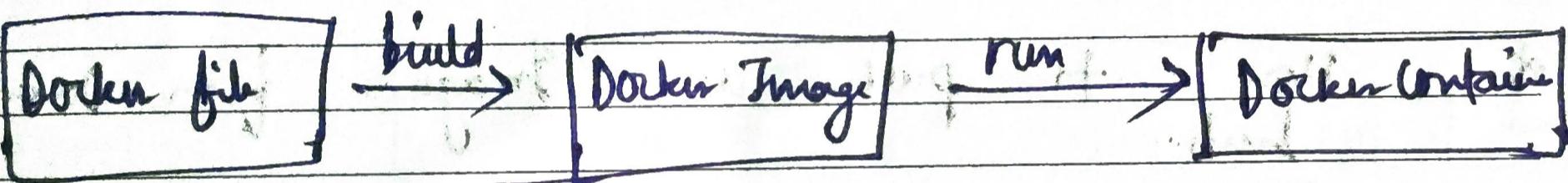
Tuesday

36th Week • 241 - 124

29

09.00 * Docker Container :- Running Instance of the docker image.

10.00 Container hold entire package to run application.



03.00 (All commands
are here).

NOTES :

30

Wednesday

36th Week • 242-123

AUGUST '23

AUGUST 2023						
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Important commands in Docker.

* To check the version

↳ docker -v.

↳ docker --version

01.00

02.00

* How to pull an Image from Docker Hub.

↳ docker pull image-name.

↳ docker pull image-name : Version tag.

* To see all the images

↳ docker images

NOTES:

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						30

Thursday

AUGUST '23

36th Week • 243 • 122

31

X. to search any image.

↳ docker search [imageName]

OK to just run docker image and
finished it

↳ docker run imageName

* To see how much container you have
in your docker.

↳ docker ps -a, running or stopped.

* To see the running container

↳ docker ps.

NOTES:

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01

Friday

SEPTEMBER '23

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09.00

* To run Docker image in detached mode.

10.00

ls docker run --name abed -d imageName

11.00

12.00

* To run the Docker in interactive mode.

02.00

ls docker run --name abed -it -d imageName

04.00

isne container band Nhi hoga.



05.00

06.00

NOTES:

OCTOBER 2023						
Wk	S	M	T	W	T	F
40	1	2	3	4	5	6
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SEPTEMBER '23

Saturday

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02

docker ke andar jana ke liye
ok to enter in any container in Docker.

↳ docker exec -it Container-Id python

key harha
hai

Command

ok To inspect any container

↳ docker inspect Container-Id gives you all the information about the container.

↳ docker inspect Container-Id.

Sunday 03

eg. root@host:~\$

→ docker run --name JavaContainer -it -d openjdk

NOTES:

→ docker exec -it JavaContainer gitsh

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					29 30

Monday

37th Week • 247-118

SEPTEMBER '23

04

→ To run MySQL on our Docker.

→ docker run -i --name abc -e MYSQL_ROOT_PASSWORD=root -d mysql

11.00

→ docker exec -it mysql bash

01.00

↳ mysql -p

02.00

mysql → (AA jayga mysql ke ander).

03.00

04.00

05.00

* To stop any container

↳ docker stop containerId / container name

NOTES :

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SEPTEMBER '23

Tuesday

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05

* If you want to remove your previous used container.

↳ docker rm ContainerId.

* To remove any docker image. (go download hei).

↳ docker rmi imageName.

Note :- -d → detached mode.

With -d → docker starts the container in the background and prints the Container ID.

NOTES :

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	28	29	30			

06

Wednesday

37th Week • 249 - 116

SEPTEMBER '23

ok To restart any container

09.00 → docker restart Container Id / Container Name.

10.00

11.00

* To check the logs of any Container

12.00 → docker logs container-Id

01.00

02.00

03.00

04.00

05.00

06.00

NOTES :

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SEPTEMBER '23

Thursday

37th Week • 250-115

07

our

~~How to create a own image.~~

10.00 L Dockerfile (ke naam se likha hai
just file Name).

11.00

12.00

~~To build docker file~~

01.00

[docker build -t tagName.]

02.00

it assign a
name to
your image

03.00

04.00

05.00

06.00 To run docker run --name gaur-project python contain

NOTES :