#### 1. docker build -t <image name >

The above command used to build a docker file with tag.

### 2. docker images

E:\Hello World>docker images						
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE		
task	latest	610a692540d3	12 hours ago	1.06GB		
docker/getting-started	latest	cb90f98fd791	6 months ago	28.8MB		

The above command used to list all images that are available.

#### 3. docker rmi <image name>

```
E:\Hello World>docker/getting-started
Untagged: docker/getting-started:latest
Untagged: docker/getting-started@sha256:b558be874169471bd4e65bd6eac8c303b271a7ee8553ba47481b73b2bf597aae
Deleted: sha256:cb90f98fd791dd49f09903cef3eb2245646b4d76b093825ea78e0f7bb8fb3403
Deleted: sha256:b6b308c7ce72e0286f9455b9f76ae6cafe55fcc6b068950414165f43bda11fd7
Deleted: sha256:711ca3e1c68e1406fd5b96a71fcf29e4838887b827bd4ee48dfc6e6a62d8fabf
Deleted: sha256:1380ce106a10fac3c312f83ddf8406d187d5c0dd567d9a2454abe6ba563114cd
Deleted: sha256:36e9639dd7f8b2549aba50c0a7d2402510ddb99d3e789515ab6646f21ef392ec
Deleted: sha256:b35646458162a8f3289c0605c02ad46c2a05ae5c977a46e11d56962b373e1e98
Deleted: sha256:e61e5c961a35926efc4df0bcd33aa988c860ba8440ae2bb713084b14b89c9806
Deleted: sha256:f60e2e50f4b58e60ef21034b9d2df92705fa8bb3870b2ca81089de8af45a2e90
Deleted: sha256:4fc242d58285699eca05db3cc7c7122a2b8e014d9481f323bd9277baacfa0628
```

The above command used to delete particular already created image.

#### 4. docker pull <image name>

```
E:\Hello World>docker pull docker/getting-started
Using default tag: latest
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867cba5fcbd: Pull complete
4b639e65cb3b: Pull complete
061ed9e2b976: Pull complete
bc19f3e8eeb1: Pull complete
4071be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558be874169471bd4e65bd6eac8c303b271a7ee8553ba47481b73b2bf597aae
Status: Downloaded newer image for docker/getting-started:latest
docker.io/docker/getting-started:latest
```

The above command used to download images from docker hub.

#### 5. docker run –d –p network host <image name>

```
(base) E:\Hello World>docker run -d -p 8000:6000 task
656c7f5440463a95f610f13f42c202e9babc13a8ca8f28a57d7bdc47e7d5d8c5
```

The above command use to create a container from an image file. Argument –d is provided to run the container in background as detached mode. The above command launches an *httpd* container and maps the host's port 8000 to port 6000 inside that container.

#### 6. docker ps

```
(base) E:\Hello World>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
656c7f544046 task "python app.py" 9 seconds ago Up 7 seconds 0.0.0.0:8000->6000/tcp determined_varahamihira
```

This command only shows running containers by default. To see all containers, use the –a

#### 7. docker logs <container>

```
(base) E:\Hello World> docker logs 656c7f544046

* Serving Flask app 'app'

* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on all addresses (0.0.0.0)

* Running on http://127.0.0.1:6000

* Running on http://172.17.0.2:6000

Press CTRL+C to quit

172.17.0.1 - - [16/Oct/2022 23:29:05] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [16/Oct/2022 23:29:06] "GET / favicon.ico HTTP/1.1" 404 -

172.17.0.1 - - [16/Oct/2022 23:29:11] "GET / HTTP/1.1" 200 -

172.17.0.1 - - [16/Oct/2022 23:29:49] "GET / HTTP/1.1" 200 -

172.17.0.1 - - [16/Oct/2022 23:29:49] "GET / HTTP/1.1" 404 -
```

The above command use to fetch the logs of that particular container.

#### 8. docker stop < container>

```
(base) E:\Hello World> docker stop 656c7f544046
656c7f544046

(base) E:\Hello World> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

This command use to stop container service.

#### 9. docker start < container>

```
(base) E:\Hello World>docker start 656c7f544046
656c7f544046

(base) E:\Hello World>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
656c7f544046 task "python app.py" 24 minutes ago Up 3 seconds 0.0.0.0:8000->6000/tcp determined_varahamihira
```

This command use to start the container service.

#### 10. docker rename old name new name <container>

```
(base) E:\Hello World>docker rename determined_varahamihira karthik_task

(base) E:\Hello World>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
656c7f544046 task "python app.py" 27 minutes ago Up 2 minutes 0.0.0.0:8000->6000/tcp karthik_task
```

This command use to change the container name.

# 11. docker stats

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
656c7f544046	karthik_task	0.02%	49.37MiB / 6.163GiB	0.78%	1.12kB / 0B	0B / 0B	1

This command shows the stats of running container.

#### 12. docker search <image name>

```
(base) E:\Hello World>docker search krishnaik06/welcome-app
NAME DESCRIPTION STARS OFFICIAL AUTOMATED
krishnaik06/welcome-app 0
```

This command used to search public image file in docker hub

## 13. docker top < container name>

(base) E:\H	Hello World>docker top	72781964a76c				
UID	PID	PPID	С	STIME	TTY	TIME
CMD						
root	1417	1396	2	22:35	5	00:00:00
python app.	.py					

This command use to display the process of container

# 14. docker image prune

```
(base) E:\Hello World>docker image prune WARNING! This will remove all dangling images. Are you sure you want to continue? [y/N] y Total reclaimed space: 0B
```

This command use to remove all dangling images which are unused. A dangling image is one that is not tagged and is not referenced by any container.

#### 15. docker rm < container name>

```
(base) E:\Hello World>docker rm 72781964a76c
72781964a76c
(base) E:\Hello World>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

This command use to delete a container.