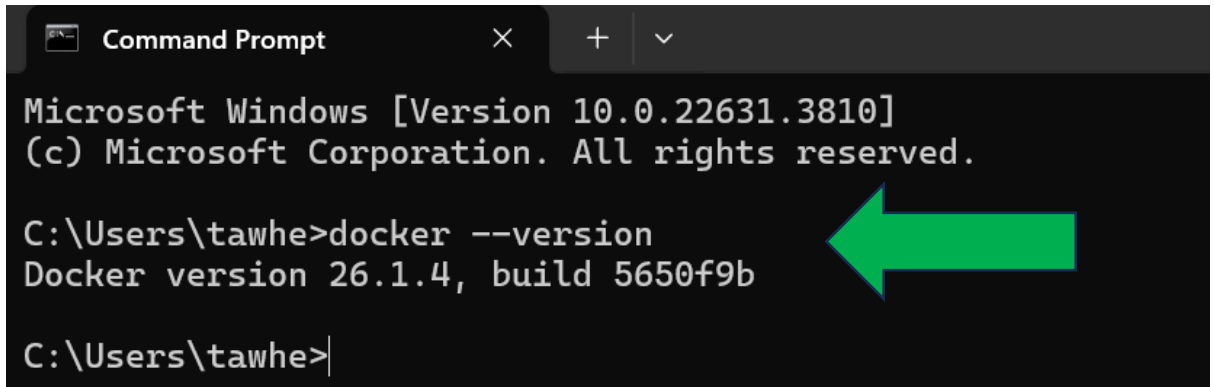


Part 1 – Basic Command Docker

1. Install Docker in your local computer \$ **docker --version**



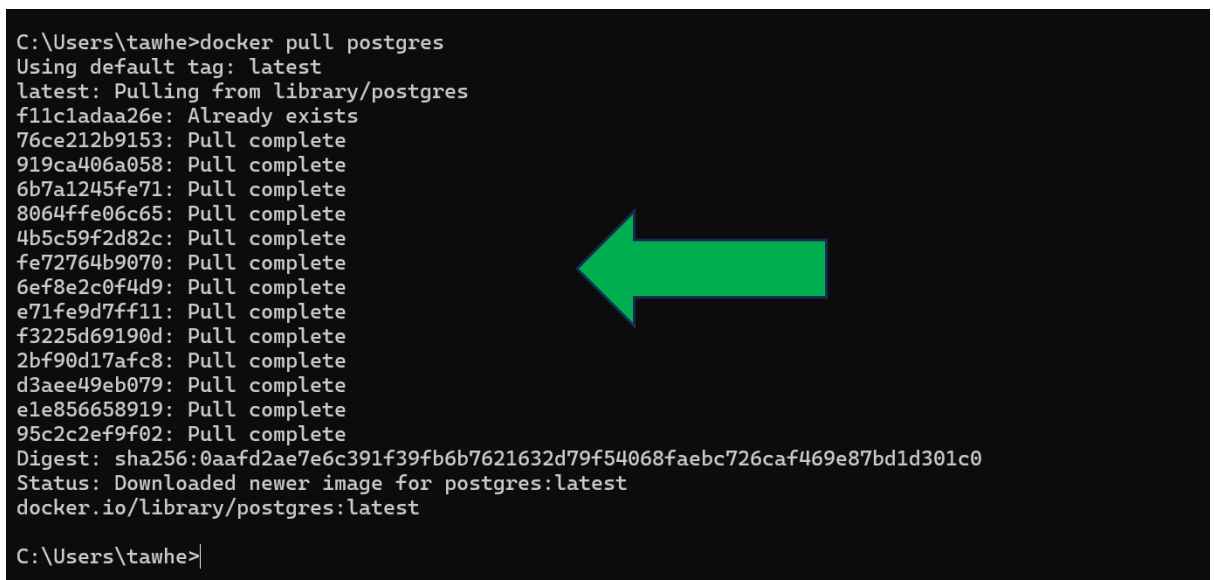
```
Microsoft Windows [Version 10.0.22631.3810]
(c) Microsoft Corporation. All rights reserved.

C:\Users\tawhe>docker --version
Docker version 26.1.4, build 5650f9b

C:\Users\tawhe>
```

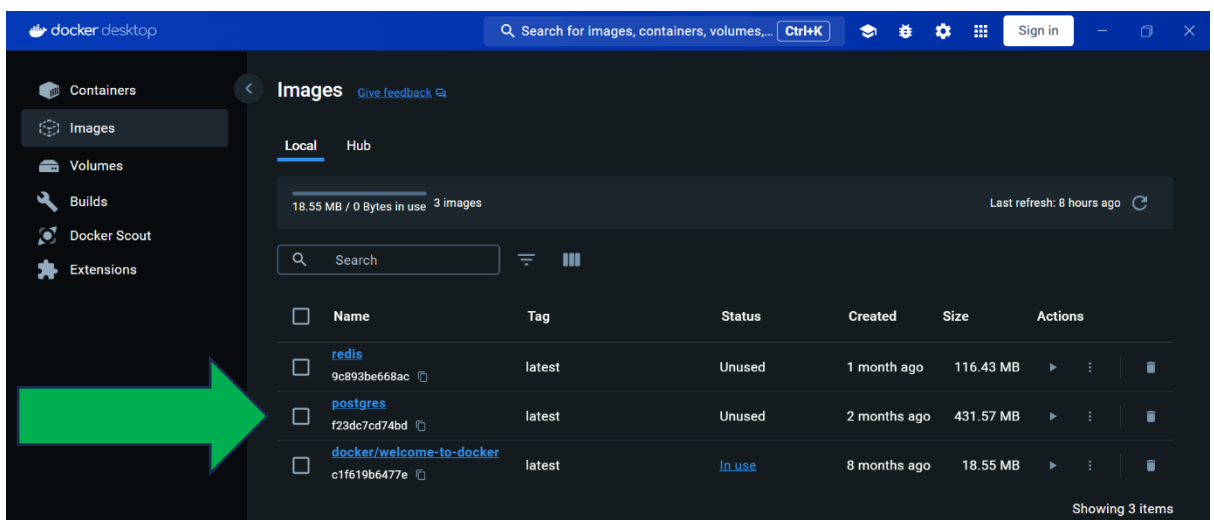
➤ Command \$ docker --version berhasil.

2. Pull an image Postgres from a Docker Hub with command \$ **docker pull**



```
C:\Users\tawhe>docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
f11cladaa26e: Already exists
76ce212b9153: Pull complete
919ca406a058: Pull complete
6b7a1245fe71: Pull complete
8064ffe06c65: Pull complete
4b5c59f2d82c: Pull complete
fe72764b9070: Pull complete
6ef8e2c0f4d9: Pull complete
e71fe9d7ff11: Pull complete
f3225d69190d: Pull complete
2bf90d17afc8: Pull complete
d3aee49eb079: Pull complete
e1e856658919: Pull complete
95c2c2ef9f02: Pull complete
Digest: sha256:0aaaf2ae7e6c391f39fb6b7621632d79f54068faebc726caf469e87bd1d301c0
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest

C:\Users\tawhe>
```



➤ Command \$ docker pull postgres berhasil.

3. List local images with command **\$ docker images**

```
C:\Users\tawhe>docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
redis                latest      9c893be668ac 5 weeks ago    116MB
postgres             latest      f23dc7cd74bd 7 weeks ago    432MB
docker/welcome-to-docker latest      c1f619b6477e 7 months ago   18.6MB
C:\Users\tawhe>
```

➤ Command **\$ docker images** berhasil.

4. Create and run a container from an image with command **\$ docker run -d <image-name>**

```
C:\Users\tawhe>docker run -d postgres
6569ce0453183d6a9994cc28e18780e767604c9f9ab36e0b712b0500b85c0b78
C:\Users\tawhe>
```

➤ Command **\$ docker run -d postgres** berhasil.

5. List currently running containers with command **\$ docker ps**

```
C:\Users\tawhe>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED    STATUS      PORTS                               NAMES
fadb7a982d36  docker/welcome-to-docker "/docker-entrypoint..." 8 hours ago Up About a minute 0.0.0.0:8080->80/tcp clever_hellman
C:\Users\tawhe>
```

➤ Command **\$ docker ps** berhasil.

6. Start and stop an existing container with command **\$ docker start|stop <container_name>**

```
C:\Users\tawhe>docker start clever_hellman
clever_hellman
C:\Users\tawhe>
```

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	clever_hellman fadb7a982d	docker/welcome-to-docker	Running	8080:80	0%	1 minute ago	
<input type="checkbox"/>	pensive_jr 6569ce0453	postgres	Exited (1)		0%	2 minutes ago	

➤ Command **\$ docker start clever_hellman** berhasil.

```
C:\Users\tawhe>docker stop clever_hellman
clever_hellman
```

```
C:\Users\tawhe>|
```



<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	clever_hel fadb7a982d	docker/welcome	Exited	8080:80	N/A	4 minutes ago	▶ ⋮ 🗑
<input type="checkbox"/>	pensive_js 6569ce045c	postgres	Exited (1)		N/A	5 minutes ago	▶ ⋮ 🗑

➤ Command \$ docker stop clever_hellman berhasil.

- Run a container with and publish a container's port(s) to the host with command \$ **docker run -p <host_port>:<container_port> -d <image_name>**

```
C:\Users\tawhe>docker run -p 8383:83 -d redis
9432f0985a150b887a58f59108721413c3edaa1043e546fb00dbb52eb6b3cfe0
```

```
C:\Users\tawhe>|
```

<input type="checkbox"/>	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	clever_hel fadb7a982d	docker/welcome	Exited	8080:80	0%	20 minutes ago	▶ ⋮ 🗑
<input type="checkbox"/>	pensive_js 6569ce045c	postgres	Exited (1)		0%	20 minutes ago	▶ ⋮ 🗑
<input type="checkbox"/>	brave_neu 9432f0985a	redis	Running	8383:83	0.16%	2 minutes ago	■ ⋮ 🗑

➤ Command \$ docker run -p 8383:83 -d redis berhasil.

- Fetch and follow the logs of a container with command \$ **docker logs -f <container_name>**

```
C:\Users\tawhe>docker logs -f brave_neumann
1:C 03 Jul 2024 21:48:04.955 * o000o000o000o Redis is starting o000o000o000o
1:C 03 Jul 2024 21:48:04.955 * Redis version=7.2.5, bits=64, commit=00000000, modified=0, pid=1, just started
1:C 03 Jul 2024 21:48:04.955 # Warning: no config file specified, using the default config. In order to specify a config file use red
is-server /path/to/redis.conf
1:M 03 Jul 2024 21:48:04.955 * monotonic clock: POSIX clock_gettime
1:M 03 Jul 2024 21:48:04.956 * Running mode=standalone, port=6379.
1:M 03 Jul 2024 21:48:04.957 * Server initialized
1:M 03 Jul 2024 21:48:04.957 * Ready to accept connections tcp
```

➤ Command \$ docker logs -f brave_neumann berhasil.

- Open a shell inside a running container with command \$ **docker exec -it <container_name> sh**

```
C:\Users\tawhe>docker exec -it brave_neumann sh
# echo "Saya suka belajar docker"
Saya suka belajar docker
```



Command \$ docker exec -it brave_neumann sh berhasil.