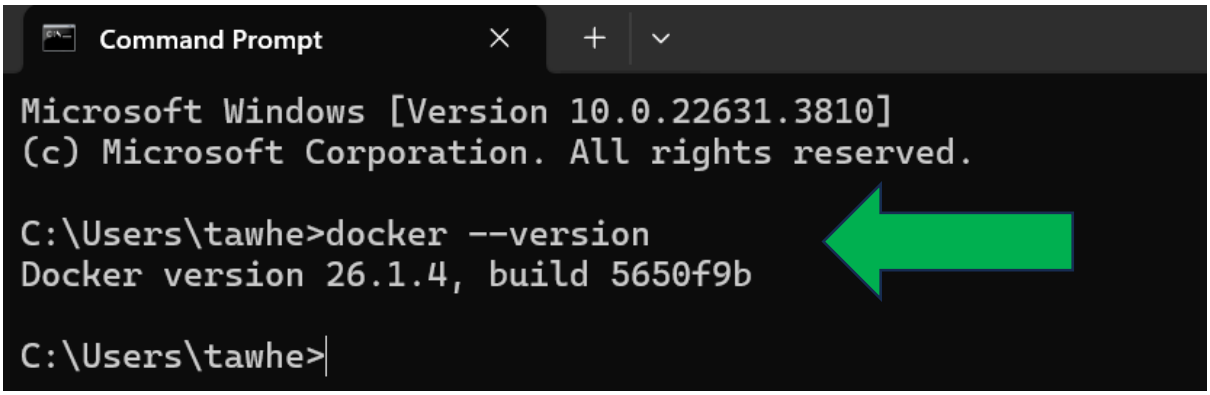
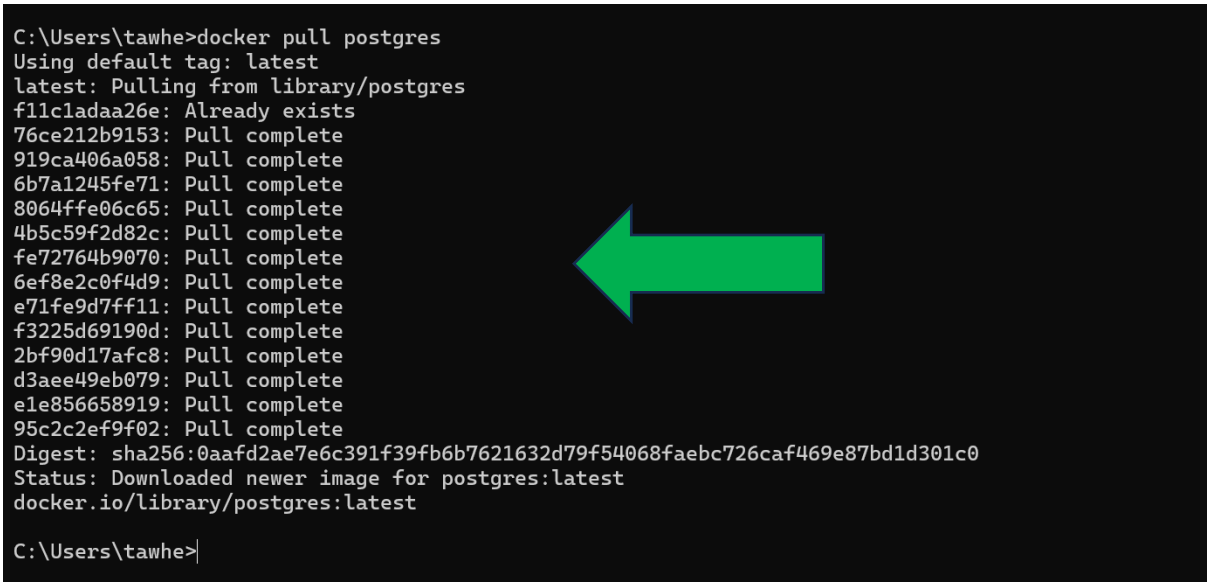
Part 1 – Basic Command Docker

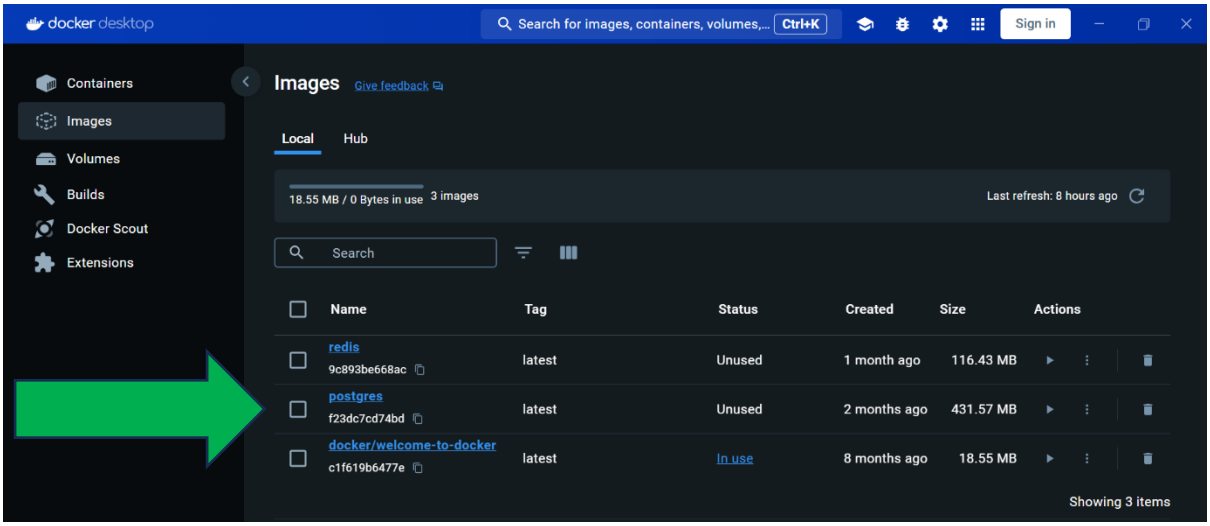
1. Install Docker in your local computer **$ docker –version**



➢ Command $ docker --version **berhasil**.

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





➢ Command $ docker pull postgres **berhasil**.

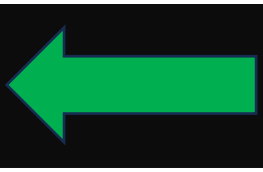
3. List local images with command **$ docker images**

```
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 **<u>berhasil</u>**.

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 **<u>berhasil</u>**.

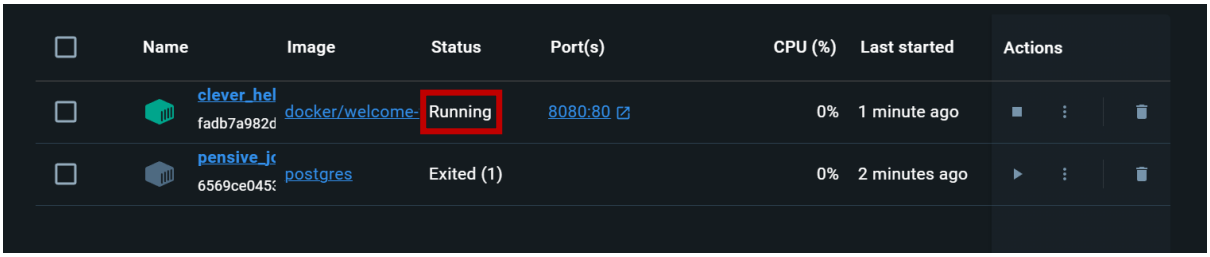
5. List currently running containers with command **$ docker ps**

```
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 **<u>berhasil</u>**.

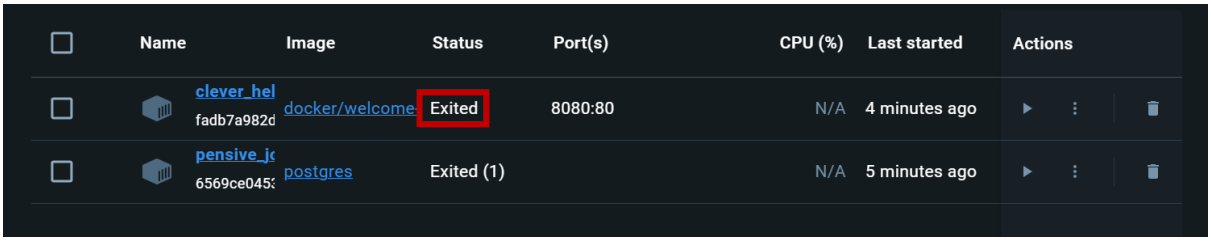
6. Start and stop an existing container with command **$ docker start|stop <container_name>**

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

C:\Users\tawhe>
```



➢ Command $ docker start clever_hellman **<u>berhasil</u>**.

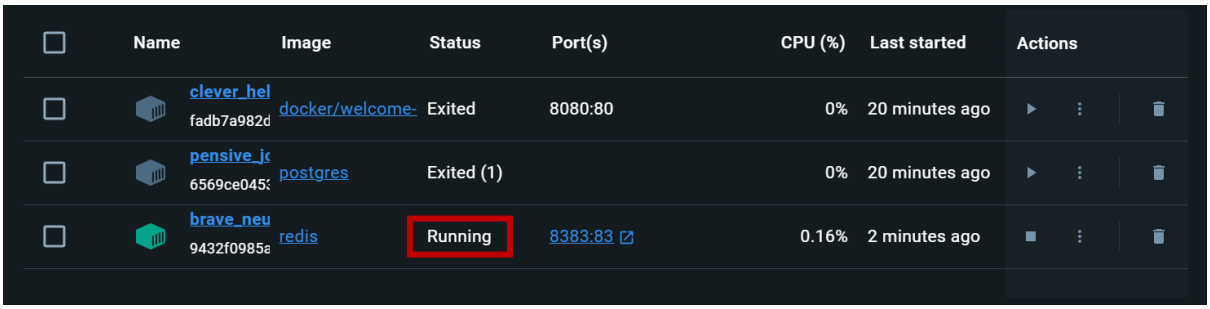
```
C:\Users\tawhe>docker stop clever_hellman
clever_hellman

C:\Users\tawhe>
```



➢ Command $ docker stop clever_hellman **berhasil**.

7. 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>
```



➢ Command $ docker run -p 8383:83 -d redis **berhasil**.

8. 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 * oO0OoO0OoO0Oo Redis is starting oO0OoO0OoO0Oo
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**.

9. 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**.