

```
C:\Users\Dhruvvv>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
e6590344b1a5: Pull complete
Digest: sha256:dd01f97f252193ae3210da231b1dca0cffab4aadb3566692d6730bf93f123a48
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
```

```
C:\Users\Dhruvvv>docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
hello-world     latest     74cc54e27dc4  4 months ago  10.1kB
```

```
C:\Users\Dhruvvv>docker ps
CONTAINER ID   IMAGE      COMMAND      CREATED   STATUS    PORTS     NAMES
```

```
C:\Users\Dhruvvv>docker ps -a
CONTAINER ID   IMAGE      COMMAND      CREATED   STATUS    PORTS     NAMES
```

```
C:\Users\Dhruvvv>docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
61320b01ae5e: Downloading [=====>] 9.382MB/
670a101d432b: Downloading [=====>] 8.452MB/
405bd2df85b6: Download complete
cc80efff8457: Download complete
2b9310b2ee4b: Waiting
6c4aa022e8e1: Waiting
abddc69cb49d: Pulling fs layer
```

```
C:\Users\Dhruvvv>docker run nginx
```

```
/docker-entrypoint.sh: /docker-entrypoint.d/ is
```

```
C:\Users\Dhruvvv>docker run -d -p 8081:81 --name mynginx nginx
00cd62efc420c2342e396bfdc05bd6fe6bb390ca4f3516971a2452174b7ed2ab
```

Volume

```
C:\Users\Dhruvvv>docker volume create vol1
vol1
```

```
C:\Users\Dhruvvv>docker volume ls
DRIVER      VOLUME NAME
local      dfeb60d712a35a61c8d2bf86f2be34e7d3477aa435e79947c5ad6a85543e12c4
local      vol1
```

```
C:\Users\Dhruvvv>
```

Creating a container

```

  F
  Dockerfile
  index.html

Dockerfile > ...
1 FROM nginx:latest
2 COPY index.html /usr/share/nginx/html/index.html

C:\>cd D:
D:\MCA\f

C:\>cd D:
D:\MCA\f

C:\>D:

D:\MCA\f>code Dockerfile

D:\MCA\f>docker build -t my-docker-webapp .
[+] Building 0.3s (7/7) FINISHED   docker:desktop-linux
=> [internal] load build definition from Dockerf  0.0s
=> => transferring dockerfile: 104B  0.0s
=> [internal] load metadata for docker.io/librar  0.0s
=> [internal] load .dockerignore  0.0s
=> => transferring context: 2B  0.0s
=> [internal] load build context  0.1s
=> => transferring context: 178B  0.0s
=> [1/2] FROM docker.io/library/nginx:latest  0.1s
=> [2/2] COPY index.html /usr/share/nginx/html/i  0.0s
=> exporting to image  0.0s
=> => exporting layers  0.0s
=> => writing image sha256:4bb7149221d132d55a0ff  0.0s
=> => naming to docker.io/library/my-docker-weba  0.0s

D:\MCA\f>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
c6537747b3dd   my-docker-webapp  "/docker-entrypoint..."  12 seconds ago  Up 12 seconds  80/tcp, 0.0.0.0:8081->81/tcp  webapp-con
tainer

D:\MCA\f>docker run -d -p 8081:80 --name webapp-container my-docker-webapp
b04411412b6ee037c23425a8925860afc4e399dcbfe0c08831a0641b8265052e
```

code Dockerfile

docker build -t my-docker-webapp .

```
docker ps
```

```
docker run -d -p 8081:80 --name webapp-container my-docker-webapp
```