Image:

Runtime , Application code, Any dependencies ,Extra configuration, commands.

Container:

Runnig instance of an image.

Image:

Parent image : Include the os and sometimes the runtime environment

Source code

Dependencies

Run Commands

Dockerfile :

FROM node:17-apline

WORKDIR /app

COPY . .

RUN npm install

EXPOSE 4000

CMD [“node”, ”app.js”]

(then we have to go to the directory where the Dockerfile and run the command:

docker build -t myapp . (build an image) )

.dockerignore :

Kelchi bade a3mello ignore

Commands:

**To install Node:**

Docker pull Node

**To See All The Images That I Have:**

docker images

**To build an image**

docker build -t myapp .

**To build an image with diff tag(v1):**

docker build -t myapp2:v1 .

**W la n3ayetla bel container:**

docker run –name my\_container1 -p 4000:4000 -d myapp:v1

**To delete an image**

docker image rm myapp

**To see all the Porcesses(ALL CONTAINERS )**

docker ps -a

**To see all the Porcesses(CONTAINERS RUNNIG)**

docker ps

**To Creat my container:**

docker run –name my\_container1 -p 4000:4000 -d myapp

**To Delete my container:**

docker container rm my\_container1

**To stop my container:**

docker stop my\_container1

**To start my container:**

Docker start my\_container1

***TO DELETE ALL THE IMAGES AND CONTAINERS:***

docker system prune -a