**What is docker?**

**Docker is a software platform that allows you to build, test and deploy applications quickly .docker compose is a tool that helps define, share and encapsulate multi-container applications based on yaml files that are coded in YAML files**

**Docker file:**

**base image--------docker hub**

**Do prerequisites**

**Copy code**

**Provide init**

Sudo apt-get update

Sudo apt-get install docker.io

Sudo service docker status

Sudo service docker start

Sudo su

Docker version

Docker search nginx

Docker pull nginx

Docker images

Docker ps

Docker run -d -p 8080:80 nginx

Docker ps

b2a3fbbe65b5a6321e50b8f4140b31772c5ca9d3f684ce762ab308ae04e38d21

be2989c46c1c1bab8c18031d7f8c850fa8f4243fbc049c20764c456ab482ac22

**create your own image in ecr then we create the repository and we can run that image in our local docker-machine**