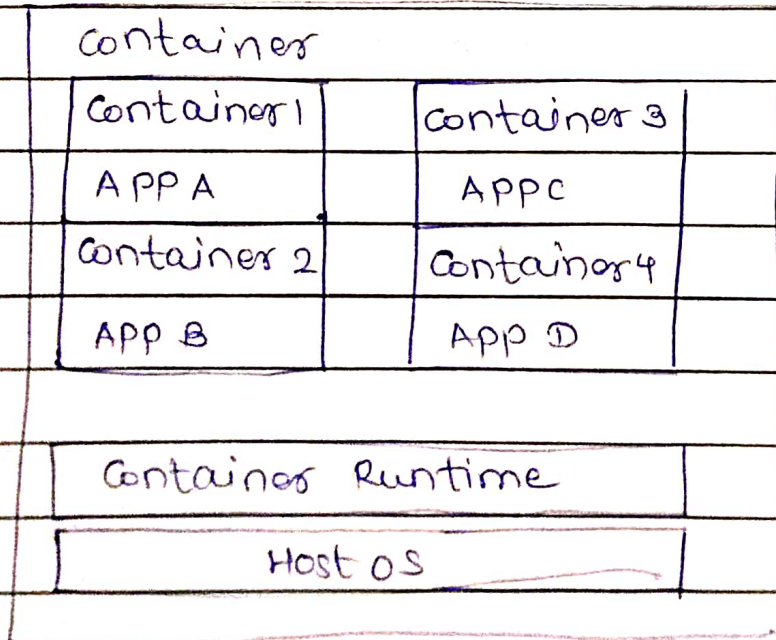


\* What are containers?

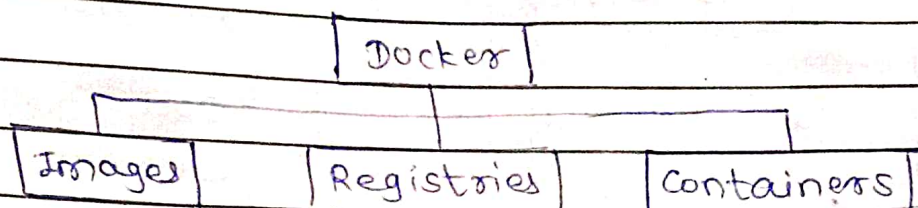
When an application is composed of only smaller numbers of large components, it's acceptable to give a dedicated virtual machine and isolate their environments by providing each of them with their own OS instance.

Containers are a form of operating system virtualization, which allows you to run higher no. of software components on the same hardware.



## \* Docker

Docker is a platform for packaging, distributing and running applications. It allows you to package your application together with its whole environment.



## \* K8S Benefits

- Simplifying Application Deployment
- Achieving Better utilization of Hardware
- Health checking and self-healing
- Automatic scaling.

`sudo apt-get update -y`

`sudo apt-get install curl`

`sudo apt-get install apt-transport-https`

} install some packages

\* install virtual box hypervisor.

`sudo apt install virtualbox virtualbox-ext-pack`

\* Installing minikube & kubectl