02. Define Containerisation: centainerisation is 08-boused nistualisation vehicles acetes multiple ninhal units in isospèce trouen as containers Containers struce the same nost keenel but all isolated from each other though private hamespalls & resource control mechanism at 05 cenel. Condamin Was/ libs libsl bine bins smy Container Engine · 108+.08 Centamensation. Q3. Talhat are docker mages? Ans A docker image is a file used to exceente - code in a Docker container, Portees images act as a set of instructions to luitel a Docker contourses, like 2 demplate. Docker mages also at as the starting point when using Hocker An image Vis comparable to snipshot In mitteel machine environments. Docker images trans multiple layers,

best is different it. Q4 years to anate container? To create a container, me use docker create contaminames command. This command creates à layer our ougenel image which is activable of gready to un specific commands. This allowis full numipulation of Dorker images unthout hunning them, authough once the user is satisfied with their quat et leccornes a container. diss gas Build a container image for your container luny container you deploy uill he based on an image pulled from the docker hub, you can puil donn a single image of we it as afren las you like Eg. Agning Spaule, Alfrice et. The Wow can you deproy an image?
The W Install Docker on your system. (2) Douenevad inage from dockedut. (3) Image with be present in cache (4) de Ceaste mill mi in donte seener,

chat image opprøyle command:doiker ven cingmanne; Diff both Virtualisation · Containerization My2 Vistialisation Containerisation - It is a technology which I is Os-level nightaliza can simulate your tion. It doesn't physical raedmare. simulate the entire (suite as GPU closes, physical machine meniory, disk etc). of represent it as apparete avails the physical dockee engine It uses detach. ma to mounine. It has hardware level - It has peroces level isolation. isolation so pt is fully sewed. His heavyneight. - It is nevy lightneight It is very portable we can bewild, ship le eun Vmi Ivmal. Containeigation Host Seever repenusor Contarioscion host sever

Explain dorker chient & seener. | Dorker distribution architecture - Docker client talks to the Dorker Darmon which does the heavy disting of dulding running I dutibuting Docker Containen client & dannen car you can connect a docker l'daemon using communicate + Dorber damon listens for Docker pP/ reg. & manges Docker objects such as images , container, networks & volumes. - A daemon can obso communicate with other daemens to nanage Docker service [dockerd] - Docker Client is the primary may great many dorker users inthait bith Dorrer me une commande sun as docker run, the dient sends these commands to dorkerd which cricies them out. The docker command uses the docker API It can communicate with more than one

Cleating-füst Container! (1) Install docter on your machine. - Create a folder on your computer which should contain 2 files: a) create your sproject. (i) main py - 1 python file that contain code
to be inevited. 1 (ii) docterfile - I file Mat conclaim the newsary instructions to create emissonment. (3) (i) adit python file-print ("Docker is magic"). (i ) Edit the Docker file: from python: latest copy main. py!
coup ["python", "./main. my"] (4) Create docker image: of docker build -t python-test Ly Wit allows to define 11 name of the image (5.) Run elocter mage: Once invage is cerated, code is ready to outpul: "Docker is magic!". Stop containel: (1) 8top a specifie container: & douce stop [container name] of docter killsprops [container name] stop all unning containers:

4 aorter stop \$(dorker 14-9-9)

Remove Container:

To remove container, me need to stop it otherwise it will give ever without stopping command, sun command is used for removing one or more container.

Therefore a specific container (only if stopped) a doctor sun Container name]

Thereforey deleting a container

Adoctor sun - t [container name]