Dato: ___ Sr. No._ Docker => Before Dockers >> > Only one application on one server. solver it Im were meaning you can run multiple applicate On the same server. · Problem in Mware is that you need to install the dedicated operating System Another problems: > Defendency management > it works on my machine it closes ? > Slift your code from one particular > You want to set up the project on Your loid system => Container > Packages up code and all its dependencies so the application runs Quickly & reliably from one Company Invirament to another Static Website User-DB web fronted Queue Analytics DB Container Pulle Preduction Customer Data Development QA cloud Conter cluster Server

Date: ___ Sr. No. _ => what 18 Docher >> that allows you to huld, text & deploy applications Juickly. => Installation > 1 docs. Locker. Com > Docker Runtime > Rentime basically allows us to Oxches Fration Start and 8 top Containers 2 type of Runtime! 1- XMC[low-level]> Engine It works with OS & Skirt and stop the Continers. Runtime 2-Containerd > It manaying Yunc and Conkinered daes, all the other thing like data, Connecting with network etc It also used in Kylemeter runtime > Docker Engine I daemon Caront dockerCLI REST API doctor daemon

Sr. Mo. ___

Date: ___ Sr. No.___ > Open Container Initiative (OCI) > OST, is Linux clerigh open skindart for Containers. OST currently Contains two stocification: runtime-stoc and Image-stoc. => HOW the CII works > OIT WOYRS
Accher Yun hello-work,

I Image name If you too running "Rello-work" for first time, then it will download the image the from the darker registry. Next time you run their Command Hun it will not downlad this image again because image is storal locally. \$ docker image > This command show all the image that are locally downlocked CLIGNT Docker-HUST docker build 4buntu ORACUE -Docker darmon docker full Containers Images NGINX Cassant derker run Jubunte K Ubcehu NginX Helle-world

	Sr. No	
<i>=</i> >	Accessing a Container locally +>	
.)	4/0 00000000000000000000000000000000000	
	& docker run - & (hestPort): (ContainerPort) imay Nome	
	eg & docker run -d -p 8080:80 ngina	
		G- 111
	Port 80 forward all the results that you're	
	making to the localhast: 8080 insule the	-111
	Conkiner ford Po.	
→	> Docker Commit -> You essentially create a new	
	Image With On additional	
	loyer that modifies the base imag layer.	0
	& docker Commit -m "added navelile" (Continue TD) 801- never About	-
	\$ docker Commit -m "added newfile" (ConkinerID) Set-newNome	Q-#
	When executing the Solocker Commit Command	
	we will need to privide Ino parameters:	
	the name of our disired image output [mame_ubuntu].	
	THE OF THE DESIGNATION OF THE PARTY OF THE P	1
→	In simple word, Docher commit Command	1
	allows user to take a running conking	
1-	and sove its current state as on image.	1
		-C-HI

Sr. No. _____ Removing Docker images >

\$ decker image -2 List show all

the imagesty

\$ docker rmi \$ (decker image-2), => Layers -> Images are built in layers. Gach layer

is an immutable like, but is a calletor

of let files 8 diretories. The last layer can be

used to write out data to. Layer receive an D, Calculated via a SHA 256 Rest of the layer Contents. > How to create Docker image >

Create a file name Dockerfile"

By default on hildry, Locker

8 looker by Dockerfile', \$ clocker build -t myimayei.0. During building of the image the

Command in RUND Section of

Dockerplevill get executed & docker run Smag 50 · The Command & in CMD sectory You readed a continuor out of the inage 6 FROM younhi RUN gft-get update CMD [echo", Hello guys!"

Date .____ Or Mo. Architecture of Docker Engine +> Docker Client Daemon > Gryine Containerd runc Binary liles that are linux system · Dagmon -> dockerd · Containerd -> decker - Containerd · Shim -> docker - Containerd - shim · YUNC -> docker-runc.

	Sr. No		Dun :
	=> Docker-	Commands ->	of start the
	100 mm		
	. 8 de	ocker full Cingen	igme >
		>This Command	Is used to full image
		from clocker TR	bository.
9			
	· \$ dack	er run -it (ima	ge momes
		> This Command	Is used to create a
		Container from	an imaye
A			
	* \$docker	Bs	
	-	>This Command is we	d to list the running
		Conkiners	
	· & docker		
	7 000	- This Command Is u	rd k show all
		running & enited a	ontainer
-3"	· & docker ex	ect (Conkiner JO) 6	wh
1	702.77	-> This Command is	used to access the
		Yunning Container.	
	Adacker St	Up (Container -50)	
	700047	> This Command 8	kf a running Contains
1	· & docker Co.		10) (hew-smage name)
	7.00	> This Command C	reater 4 hew image
		of an edited Con	teiner on the local system
	· Idecker las	Qìn .	
		This Command is us	hub repository.
			hub repositor.

		8	
			X
		6	1
	Sr. Mo		1
		OT H	
	· Felecher bush (image name)	6	
	> This Command is used to Rush an		
	image to the docker heb.		
-1			
	· \$ docker Images.		
	-> Ris Cammand lists all locally Stored docker images.		
	Stored docker images.	0	
		0	
	· I docker Ym (Conkiner ID)		
	> This Command is circle to delete		
	a stopped Comman Container		II_
	· Adocker Ymj Limige-ID>		IL
	This Command is used to delete		1
	This Command is used to delete on image from local storage		#
•	•	2-	1
	· \$ docker buld -t my image Locker file > This Command is used to bulk On image from a sheatic docker file.	2	#
	> This Command Is wed to bull	2	1
	On imuye from a specific docker fel.		1
A		2	100
1		2	
		2	意
		N III	100
		2	1
· ·		-8-	-
		2	1
and the same of th		-Q-H	4
		-	
	and the same of th		