Sr No. Basic Command						
1 sudo docker version	Docker Basic					
sudo apt-get install -y docker.i	Commands					
sudo docker-machine -v	Step by Step for					
	Beginners					
2 sudo docker -version	Basic					
3 sudo docker -v	> docker version > docker -v					
4 sudo docker info	> docker info					
5 dockerhelp	> dockerhelp > docker login					
6 docker images						
7 docker imageshelp	Images > docker images					
8 docker run	> docker pull > docker rmi					
9 docker runhelp						
10 sudo docker login	Containers > docker ps					
sudo docker logout	> docker run					
11 sudo docker pull ubuntu	> docker start > docker stop					
12 docker rmihelp						
13 docker pshelp	System > docker stats					
14 docker start container_id	> docker system df > docker system prune					
15 docker stop container_id	> docker system prune					
16 sudo docker stats						
17 sudo docker system df						
18 sudo docker system prunehe						
io cade aconor cyclem prane in						
Sr. No Docker Images						
1 docker imageshelp						
2 docker pull image						
3 docker images						
4 docker images -q						
5 docker images -f "dangling=						
6 docker images -f "dangling=	false" -q					
7 docker run image						
8 docker rmi image						
9 docker rmi -f image						
10 docker inspect						
11 docker history imageName						
Sr No. Docker Containers Beginner	s					
1 docker ps						
2 docker run ImageName						
3 docker start ContainerName/ID	)					
4 docker stop ContainerName/ID						
5 docker pause ContainerName/						
6 docker unease ContainerName						
7 docker top ContainerName/ID						
8 docker stats ContainerName/II						
9 docker attach ContainerName/						
10 docker kill ContainerName/ID						
11 docker rm ContainerName/ID						
12 sudo docker exec -it Container	Name/ID hash					
13 sudo docker exec -it Container						
14 exit	Ivanieno Dasii					
15 docker history ContainerName	(ID					
15 docker history ContainerName	טוי					
Sr. No Jenkins on Docker						

1	docker pull jenkins									
	docker run -p 8080:8080 -p 50	0000:50000 jenkins								
	docker run -n 8080:8080 -n	January 100 100 100 100 100 100 100 100 100 10								
3	50000:50000 -v /your/home: /var/jenkins_home jenkins									
4	L									
5	5									
Sr. No	Dockerfile Beginners									
1	what is docker file	A text file with instruction to build im	nage. Automation	of docker image	creation					
	2 Steps	1) Create a file Named Dockerfile 2				create container 4	)Run image to cre	eate container		
	FROM	,,	,				,g			
	RUN									
	5 CMD									
6										
7										
8										
9										
er M	Docker Compose	1. What   Why - Docker Compose								
		2. How to install								
	docker-compose -v	How to create docker compose	e file							
	docker-composeversion	4. How to use docker compose fi		ces						
	docker-compose version	5. Basic Commands								
	docker-composehelp									
	sudo docker-compose up -d	TIPS								
	sudo docker-compose up -d	Docker compose : tool for defining & running multi-	container dealer	applications						
7		: use yaml files to configure appli			ml)					
8		: can start all services with a sing								
9		: can stop all services with a sing								
		: can scale up selected services v								
		Step 1 : install docker compose								
		(already installed on windows a docker-compose -v	and mac with doc	ker)						
		docker-compose -v								
		2 Ways								
		1. https://github.com/docker/d	compose/rel							

		2. Using PIF															
		pip install -	U docker-compose	e													
		01 0 - 0															
		-	te docker compose	e file at any location	on on your system												
		docker-com	ipose.ymi														
		Cton 2 · Choo	k the validity of file	by command													
			npose config	e by command													
		docker-con	iipose comig														
		Sten 4 : Pun /	docker-compose.yr	ml file by commar	nd												
		docker-com		in the by continu	iu .												
		docker con	ipose up u														
		Stens 5 : Brin	g down application	n by command													
		docker-com		,													
			•														
		TIPS															
		How to scale	services														
		-scale															
		docker-comp	ose up -dscale da	atabase=4													
									Pu default all fire	propted incid-	oontainer er	lored on a writ-t	le conteiner !	-			
Sr No.	Docker Volume		Today we will lea						By default all files	created inside a	container are s	ored on a writat	ne container lay	ei			
	Docker Volume		1. What are Volu						The data doesn't p	ersist when the	t container is no	longer running					
	docker Volume Is			e / list / delete vol								gg					
	docker volumehelp			n volume to a con volume among c					A container's writable layer is tightly coupled to the host machine where the container is running.								
	docker volume create		5. What are bind		ontainers				You can't easily move the data somewhere else.								
					nism for nersistin	g data generated by	and used by Do	rker	Desire has been setting for another set of the table of table of the table of t								
	docker volume inspect Volume	vame	containers	preferred meens	mom for persisting	g data generated by	and docu by bo		Docker has two options for containers to store files in the host machine								
									so that the files are persisted even after the container stops								
			: docker volume	//get information	n				VOLUMES and BIND MOUNTS								
			: docker volume	create													
			: docker volume	Is					Volumes are stored in a part of the host filesystem which is managed by Docker								
			: docker volume	inspect					Non Deales assessed about an edification and of the file-sector								
			: docker volume						Non-Docker processes should not modify this part of the filesystem  Bind mounts may be stored anywhere on the host system  Non-Docker processes on the Docker host or a Docker container can modify them at any time								
			: docker volume	prune													
						ps -a , we can use	docker container	prune. and									
			for docker ps (ru	unning containers	) we can use docl	ker rm \$(ps -aq)			In Bind Mounts, the file or directory is referenced by its full path on the host machine.								
			Use of Volumes														
			Use of volumes														
				tainer from storag	ne .				Volumes are the heet way to persist data in Docker								
				-	ong different conta	niners			Volumes are the best way to persist data in Docker								
			Attach volume to						volumes are managed by Docker and are isolated from the core functionality of the host machine								
				tainer volume doe	es not delete												
									A given volume can be mounted into multiple containers simultaneously.								
			Commands														
			docker runname MyJenkins1 -v myvol1:/var/jenkins_home -p 8080:8080 -p 50000:50000 jenkins docker runname MyJenkins2 -v myvol1:/var/jenkins_home -p 9090:8080 -p 60000:50000 jenkins docker runname MyJenkins3 -v /Users/raghav/Desktop/Jenkins_Home:/var/jenkins_home -p														
			9191:8080 -p 40	0000:50000 jenkin	ns			you mount, a may be mained or anothymous.									
			D-f					Anonymous volumes are not given an explicit name when they are first mounted into a container									
			References https://hub.docker.com/_/jenkins/														
		https://docs.docker.com/_/jenkins/ https://docs.docker.com/storage/volumes/							Volumes also support the use of volume drivers, which allow you to store your data on remote hosts or cloud providers, among other possibilities.								
			naps.//docs.doc	kei.com/stolage	/ voidifies/				nosts or cloud pro	viuers, among o	uner possibilities	5.					
Sr No	Docker Network																
	docker network Is																
	docker network ishelp																
	docker networkhelp																
	·																
4	docker inspect ContainerName	'ld															

5	5 docker network inspect bridge														
6	6 docker runname alpine-2ne	etwork=none alpir	ne												
7	7 docker network createdriver l	bridgesubnet 18	32.18.0.1/24gat	eway 182.18.0.1	wp-mysql-networ	rk									
8	8 docker run -d -e MYSQL_ROO	T_PASSWORD=	db_pass123nar	ne mysql-dbne	etwork wp-mysql-r	network mysql:5.6									
9	9 docker runnetwork=wp-mysql-network -e DB_Host=mysql-db -e DB_Password=db_pass123 -p 38080:8080name webapplink mysql-db -d kodekloud/simple-webapp-mysql														
10	0														
Sr No	Docker Swarm														
1	1 docker-machine														
2	2 docker-machinehelp														
	docker-machine Is														
	docker-machine lp ManagerNa	me													