Type (Dependency)	Description
docker -v	Docker installed version
docker version	docker installed version (Client & Server) with details
docker-compose version	Show the Docker Compose Version
docker info	Information about architecture
docker network ls	Show the list of all networks associated with Docker on the host
docker logs container ID	See the logs of the container .
docker network create –-driver drivername name	Create a network in Docker before launching containers.
docker network inspect network name	Show the details on the network associated with Docker, network name can be found docker network ls
ifconfig	Show Docker Ethernet adapter
tar cv --files-from /dev/null | docker import - empty	Create an empty image
docker images	Find all the installed docker images
docker images -q	Return the Image ID of the images.
docker inspect Repository	Show the details of an image and container in JSON Formatter
docker container ls	Show list of images with Container ID
docker pull Image:Tag	Pull the image from docker hub with image and Tag. For example , Image= redis and Tag =3.2.11-alpine
docker save Image:Tag >filename.tar	Export image into the raw tar format.
tar -xvf filename.tar	Extract the file and type ls to see the extract list
docker build directory	Build your own image using docker file or docker compose file. Directory, where docker file or docker compose file is available Use Dot(.) if, its available in current directory.
docker build -t Image:Tag directory	Build Your own image putting the name of Image, and Tag. For example, Image =MyImage1 and Tag =1.0. Directory, where docker file or docker compose file is available. Use Dot(.) if, its available in current directory.
docker search image(Repository)	Find an image from docker hub . For example, image = ubuntu, redis etc.
docker tag <old_name> <new_name> docker rmi <old_name>	Change the repository (image) name with old name to new name and delete old one.

docker run image(Repository)	Run docker in the foreground and pull images from docker hub if locally is not available. For example, image = ubuntu, redis etc
docker run -d image(Repository)	Run docker in the background and pull images from docker hub if locally is not available the option -d needs to be specified. For example, image = ubuntu, redis etc
docker run -d -p hostport:containerport image:tag	Run the docker image on a specific host port and container port
docker run -d --name=db image(Repository)	Launch the Container with specific image.For example, image = ubuntu:latest, redis:latest etc.
docker run -d --name image newImage -p hostPort:ContainerPost image:tag	Running the container with specific hostname, image and tag etc. For example, newImage= redisHostPort, hostPort =6379, containerPort=6379, image=redis and tag =latest
docker run -d --name image newImage -p port image:tag	Running the container with dynamic hostname, image and tag etc. For example, newImage= dynamicHostPort, port =6379, image=redis and tag =latest
docker history Image ID	Show all the commands which run with this image. Image ID can be found using docker images command.
docker rmi Image ID	Remove the specific Image with using Image ID. If it fails, it means this image is running in background first stop it and stop and run this command again.
docker ps	List of currently running containers
docker ps -a	Shows Container List on the System
ps aux | grep image-server	Show all the running process, and it be filter using grep. For example, image = redis
ps aux | grep ppid	Show the parent process with a specific parent ID.
pstree -c -p -A $(pgrep dockerd)	Show the List of all the Processes in the form of tree.
docker start Container ID	Start a running container to replacing with Container ID. Container ID can be found docker ps command
docker stop Container ID	Stop a running container to replacing with Container ID. Container ID can be found docker ps command
docker stats Container ID	Show the statistics of a running container with Container ID. Container ID can be found docker ps command
docker pause Container ID	Pause the Container with specified Container ID: Container ID can be found docker ps command
docker unpause Container ID	UnPause the Container with specified Container ID: Container ID can be found docker ps command
docker attach Container ID	Attach the Container with specified Container ID: Container ID can be found docker ps command

docker top db	Show the information about the process
docker top Container ID	Show the top processor within a container: Container ID can be found docker ps command
docker rm Container ID	Delete the container with specified Container ID: Container ID can be found docker ps command
docker rename CONTAINER ID New_Name	rename the Container ID with new name. Container ID can be found docker ps command
docker kill Container ID	Kill the container with specified Container ID: Container ID can be found docker ps command
service docker start	Start the Docker daemon process
service docker stop	Stop the Docker daemon process
service docker status	Status of the Docker daemon process