

Commands	What it is
wget -qO- https://get.docker.com/ sh	A single Docker installation script which always installs the latest version
sudo usermod -aG docker ubuntu	To add the Ubuntu user into the Docker Group
docker -v	Displays the version with the build
docker --version	Displays the version with the build
docker version	Displays the Client and Server Details
docker system info	Displays the overall picture of Docker Host
docker info	Displays the overall picture of Docker Host
systemctl enable docker	To enable the Docker in Ubuntu/Debian based systems
systemctl is-enabled docker	To check whether Docker is Active or not
docker container ls	To display the running containers
/var/lib/docker	Root directory for your Docker files
docker image ls	To display list of local images
docker images	To display list of local images
docker pull ubuntu:latest	Pulls the Ubuntu latest image from the Dockerhub registry
docker container run -it ubuntu:latest /bin/bash	Start the container in interactive mode with Ubuntu image
Ctrl + PQ	If you hold this keys in your keyboard when you are inside the container, it just pops you out, but container will keep running.
ps -elf	To display the current processes
docker container exec -it containerid or containername bash	To login to the container
docker container stop containername	To stop the container
docker container rm containername	To remove the container
docker container ls -a	To list all the running and non-running containers
docker image build -t test:latest .	Builds the image with the tag name "test:latest"
docker container run -d --name web1 --publish 8080:8080 test:latest	It starts the container with the name "web1" and maps the port hostport 8080 : containerport 8080 with the image "test:latest" and -d means runs on the background as daemon.
Containerd	This manages the container lifecycle like start, stop, pause, restart
Runc	Inline with OCI. Only Single Purpose is to create Containers. Sometimes we call it as OCI Layers
docker container run --name ctr1 -it alpine:latest sh	Starts the container from alpine image in interactive mode
docker image pull ubuntu:latest	Pulls the Ubuntu latest image
docker image pull alpine:latest	Pulls the Alpine latest image
docker image ls	Lists the current downloaded images
https://hub.docker.com/_/nginx	Official Repo
https://hub.docker.com/_/redis	Official Repo

https://hub.docker.com/r/alpinelib/openldap	UnOfficial Repo
docker image pull mongo:3.3.11	Pulls the mongo with the version 3.3.11
docker image ls --filter dangling=true	Filter only the tags which shows “none”. You can mention “false” which will fetch the opposite
docker image ls --filter=reference="*:latest"	Pulls the images which has only latest tag
docker image ls --format "{{.Size}}"	Filters only the Size
docker image ls --format "{{.Repository}}:{{.Tag}}:{{.Size}}"	Filters only Repo, Tag & Size
docker search alpine	It Searches Alpine
docker search alpine --filter="is-official=true"	It searches the alpine and pull only the official images. by default it will show only 25. you can use --limit
docker search alpine --filter="is-automated=true" --limit=50	50 search list will list out. Maximum you can give 100
docker image inspect ubuntu:latest	This command gives you the detail info about the Ubuntu image
docker image rm \$(docker image ls -q) -f	This command removes all the images in one-shot with force
docker rmi imageidorimagenam	This removes one particular image
docker rm containeridorcontainernam	This removes one particular container
docker container kill containerid	Force shutdown the container
docker login	Log in this CLI session using your Docker Credentials
Part II	
Container	Runtime instance of an image
systemctl is-active docker	Check whether Docker is running. This command will be changed as per Linux Flavours. For Ubuntu/Debian distributions you have to use systemctl , but for RHEL, CentOS, Fedora you may have to use “service docker status”
systemctl start docker	This will start the docker
systemctl status docker	This will provide you the status of the Docker
sudo systemctl stop docker	This will stop the docker
docker exec -it containerid bash	This command will help you in connecting to the particular container, but have to make sure container is in running state
docker container run --name percy -it ubuntu:latest /bin/bash	This will start the container by giving the container name called percy with –it as interactive mode with the image ubuntu
docker container stop percy	This will stop the container named percy
docker container start percy	This will start the container named percy
docker container exec -it percy bash	This will help you in logging into the percy container
docker container run -d --name webserver --publish 80:8080 awssameerzulfidockerciwebsite	This will launch the container with –d means running in the background with the name as

	“webserver” and publish the port 80 as the host port and the container port as 8080 with the image awssameerzulfi/dockerciwebsite
Publicip:80	PublicIP of the hostmachine with the host ip will display the website
docker container rm \$(docker container ls -aq) -f	Removes all the running/stopped containers in one shot