* <https://github.com/panaversity/learn-cloud-native-modern-ai-python/tree/main/05_linux_containers>
* Command to download image

docker pull ubuntu

* Command to get Docker images list

docker images

* Command to launch/run certain Docker container

docker run -it ubuntu /bin/bash

Here, we are running Ubuntu image at docker container

* Just like running windows processes are shown in task manager, Linux command to check details of running processes.

ps -elf

Other related commands of “ps”:

ps -e

ps -l

ps -f

ps --help

* Command to clear screen

clear

* Command to come out from Docker container to command prompt

exit

By this command container stop running at Docker but container still exist in Docker and after exiting, if again execute running container command then a new container created and old one also exist in Docker.

* If you want to exit container and keep running container in Docker without closing container then shortcut key at cmd is “Ctrl + P + Q” but if again execute running container command then a new container created and old one also running in Docker.
* Command to get list of only running containers at Docker

docker ps

docker container ls

* Command to get list of all containers at Docker

docker ps –a

docker container ls -a

* Command to get Docker version

docker version

* Command to get Docker images

docker image ls

* Command to get logs of Docker container in which all information is provided like commands executed and its output

docker logs 90d

Here, “90d” is first three characters of container id which can be obtained from command “docker ps”

“docker logs” command can only return running container information but not exited container.

* You can also check Docker container information from “Docker Desktop”.
* Command to enter into running Docker container

docker exec -it brave\_taussig bash

or

docker exec -it brave\_taussig /bin/bash

Here, “brave\_taussig” is container name

“bash” is relative path while “/bin/bash” is absolute path

* After entering container again when we exit from Docker container by command “exit”, Docker container is still running
* Command to stop a Docker container which is running

docker stop brave\_taussig

Here, “brave\_taussig” is container name

* Command to run a container which was stopped

docker start 90d

Here, “90d” is first three characters of container id which can be obtained from command “docker ps”

* When we are in Docker, command to get history related to executed commands within the container

history

* Command to delete/remove a container from Docker

docker rm 90d

Here, “90d” is first three characters of container id which can be obtained from command “docker ps”

* A container cannot be removed if it is running
* Another command to exit container

docker kill 90d

Here, “90d” is first three characters of container id which can be obtained from command “docker ps”