Docker Assignment 2

1. Difference between virtualization and containerization?

Virtualization enables you to run multiple operating systems on the hardware of a single physical server, while containerization enables you to deploy multiple applications using the same operating system on a single virtual machine or server.

1. What is a Docker hub?

Docker Hub is a service provided by Docker for finding and sharing container images with your team.

1. Tell us something about docker-compose?

sing the Compose command line tool you can create and start one or more containers for each dependency with a single command ( docker-compose up ).

1. What is the docker swarm?

Docker swarm is a container orchestration tool, meaning that it allows the user to manage multiple containers deployed across multiple host machines.

1. Explain the lifecycle of the docker container?

The container life cycle follows the Build, Deploy, and Run phases. In build, you’re building the code; in deploy, you’re launching the software; and in run, you’re in on-going operations mode.

1. How to check the docker client and docker server version?

docker version

1. How do you get the number of containers running, paused, and stopped?

docker ps

1. If you vaguely remember the command and you’d like to confirm it, how will you get help on that particular command?

$ docker <command> --help

1. How to log in to the docker repository?

$ docker login

1. How do you create a docker container from an image?

$ docker run -it -d <image\_name>