

Docker Assignment

1. What is containerization and why is it important?

Container nothing which has software dependencies and its library to pack easily to execute the application. Write once and store it in a container and run anywhere you need.

It is fully secured and fast delivery to the end user.

2. what is difference between virtualization and containerization

Virtualization supports multiple os

Containerization supports multiple deployments

3. What is Docker ?

Docker is software which helps to build, ship and run with light weighted images , portable where we can run virtual machines.

4. What is Docker architecture?/ components of Docker?

Docker Client →	Docker Host →	Docker Registry
Docker Pull	Docker Daemon	Docker Hub
Docker Push	Images	Redis
Docker Run	Container	nginx

5. What are public and private registries in Docker named accordingly?

Public repository is free to users

Private is paid version

6. What is a docker image?

It is a template of the container

7. What is docker daemon?

It is a background process

8. What is the docker registry?

We can store the images by creating the repository

9. What are layers in docker?

Each instruction will be converted into layers. Each layer carries some Mb's.

10. What is a docker file?

It has set of instruction which act as text documents which allows you to build the docker images

Docker Assignments

11. What is a hypervisor?

It will have multiple OS

12. What is a container engine?

It will have multiple images

13. What is the difference between RUN and CMD?

RUN It executes the docker file

CMD It executes folder file

14. What happens if you have multiple CMD in a Docker file?

It will execute last command

15. what is difference between CMD and Entrypoint

CMD Cannot Override the instructions

ENTRY POINT can be override

16. what happens if CMD and entrypoint is given in docker file which instruction will be executed?

It will accepts only CMD and ignores ENTRYPOINT instructions

17. Can we write multiple entrypoints in a Docker file?

Will get a error Docker file can't run

18. How can I build a docker file?

Buy using instruction will run a docker file

19. if i have given expose instruction in docker and from cli i ran with another port what happens to the container?

Will get a port error

Else if container runs , it will consider cli port

20. What is the difference between add and copy?

ADD Will copy from URL

COPY will copy from local machine