



## Interview Questions

### 1. What is Docker?

- Docker is an open-source containerization platform. It is used to automate the deployment of any application, using lightweight, portable containers.

### 2. What is a Docker Container?

- A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing.

### 3. What are Docker Images?

- Docker image is the source of Docker container. In other words, Docker images are used to create containers. When a user runs a Docker image, an instance of a container is created.

### 4. What is Docker Hub?

- Docker images create docker containers. There has to be a registry where these docker images live. This registry is Docker Hub. Users can pick up images from Docker Hub and use them to create customized images and containers. Currently, the Docker Hub is the world's largest public repository of image containers.

### 5. How you would create a container from an image.

- To create a container, we pull an image from the Docker repository and run it using the command:

```
$ docker run -it -d <image_name>
```

### 6. How would you list all of the containers currently running?

- Using the command: `$ docker ps`

### 7. Which is the best method for removing a container: the command "stop container" followed by the command "remove the container," the rm command by itself?

- Stop the container first, then remove it.

```
$ docker stop <container_id>
```

```
$ docker rm -f <container_id>
```

8. How can you find the status of a Docker container?

- The command “docker ps-a” is used for identifying the status of a Docker container. This command will also provide a list of available docker containers having the same status on the host.

9. What are the default networks in Docker?

- The default networks in Docker include bridge, host, and none. The bridge is the default network to which containers connect if there is no specified network.

10. How can I start, stop and kill a container?

- For starting a docker container, use “\$ docker start <container\_id>”.  
For stopping a running container, use “\$ docker stop <container\_id>”.  
For killing a container, use “\$ docker kill <container\_id>”.

11. Suppose you have 3 containers running and out of these, you wish to access one of them. How do you access a running container?

- The following command lets us access a running container:

```
$ docker exec -it <container id> bash
```

12. How to delete an image from the local storage system?

- With the help of  

```
$ docker rmi <image-id>
```