1. What is Hypervisor?
2. What is the difference between type 1 and type 2 Hypervisor?
3. What is containerization?
4. What is Virtualization?
5. What is the difference between virtualization and containerization?
6. What is Docker and why Docker?
7. What are some issues that companies were having before Docker?
8. What are some issues or problems that Docker solved?
9. Any idea why a lot of companies are using docker?
10. What are some pros of docker that you are aware of?
11. What is a docker client?
12. What is a docker host?
13. What is a Docker Hub?
14. What is a Docker image registry?
15. What is the difference between the public and private registry?
16. What is a docker-machine?
17. Can you please work me through Docker Architecture?
18. What docker images?
19. What is Docker Swarm?
20. What is container orchestration?
21. It is possible to containerize all applications?
22. What is a DockerFile?
23. What is the purpose of Docker Compose?
24. Are you aware of a Docker Trusted Registry? if yes, what is a Docker Trusted Registry?
25. What are the basic requirements for docker to run on any system?
26. Can you tell the differences between a docker Image and a layer?
27. Describe the lifecycle of the Docker container
28. Can you tell me the approach to login into the docker registry?
29. What is the difference between docker pull and docker run?
30. What command can you run to export a docker image as an archive?
31. What command can be run to import a pre-exported Docker image into another Docker host?
32. What is the docker command that lists the status of all docker containers?
33. Under what circumstances will you lose data stored in a container?
34. Can a paused container be removed from Docker?
35. Can you tell the difference between CMD and ENTRYPOINT?
36. Can you tell me what are the purposes of docker --rm, rm, rmi, run, pull, start, and stop?
37. What is a base image in docker?
38. If you have permission denied while trying to run docker commands, what can be the problem?
39. What is the proper way to install docker?
40. List the most commonly used instructions in Dockerfile that you are aware of and their purposes
41. What is the best way of deleting a container?
42. How many containers you can run in docker and what are the factors influencing this limit?
43. How will you ensure that container 1 runs before container 2 while using docker-compose?
44. If you wish to use a base image and make modifications or personalize it, how do you do that?
45. How do you create a docker container from an image?
46. How do you list all the running containers?
47. Explain various Docker Basic Commands that you are aware of
48. Suppose you have 3 containers running and out of these, you wish to access one of them. How do you access a running container?
49. How to delete an image from the local storage system?
50. How to build a Dockerfile?
51. How to build a Dockerfile if the name is not Dockerfile?
52. How to build a Dockerfile if the name is not Dockerfile and it is not in your current working directory?
53. Do you know why Docker system prune is used? What does it do?
54. What is port forwarding in Docker?
55. What is the difference between free port forwarding and bind port forwarding?
56. What is the difference between a registry and a repository?
57. What are the advantages of AWS ECR compared to the Docker registry?
58. How can you access your application that is running in Docker?
59. Is there a way to identify the status of a Docker container?
60. Will you lose your data, when a docker container exists?
61. Is it better to directly remove the container using the rm command or stop the container followed by removing the container?
62. Suppose you have an application that has many dependent services. Will docker-compose wait for the current container to be ready to move to the running of the next service?
63. How to Backup, Restore, or Migrate data volumes under a Docker container?
64. How is the ENTRYPOINT instruction under Dockerfile different from the RUN instruction?
65. What is a volume in Docker? Why is it useful?
66. What is the difference between volume mount and bind mount?
67. Where are the docker volumes stored?
68. What are the different networks in Docker?
69. What is the default network in Docker and why?
70. How is an overlay network different from a bridge network?
71. How have you used Docker in your previous position?
72. It is possible to see processes running inside a container from the Docker host?
73. Can a container restart by itself?
74. It is a good practice to store critical data in the container? if yes, why. If yes, why
75. Is it possible to execute a command in a running container from a Docker host?
76. Why do we say containers are ephemeral?
77. If You are not able to access the application that is running inside a container from the browser, what can be the problem? How can you solve it?
78. If you are not able to push an image into a registry, What can be the problem?
79. If you are not able to run any docker command, what can be the problem?
80. If you run an image to create a container and it exits certainly, what can be the problem?
81. It is a good practice the use free port forwarding in docker? If yes, why. If not, why?
82. What are some image pull policies that you are of in Docker-compose?
83. What are links in Docker-compose?
84. What is the purpose of EXPOSE command in Dockerfile?
85. How do you reduce the size of your image? why is it important?
86. Where do you think Docker is being used?
87. What platforms does docker run on?
88. How is Dockerfile different from Docker Compose?
89. Does the Docker container package up the entire OS?
90. Why Docker containers are so light?
91. Is it possible to have my own private Docker registry? Why is it a good practice?
92. What are the commands to control Docker with Systemd?
93. Are you aware of any container scan tools?
94. How do you guys make sure that there is no vulnerability in the images before using them as a base image?
95. Do you guys pull images from the public registry and deploy them directly on the docker host?
96. It is possible to use multiple base images in one Dockerfile? if yes, How can you accomplish that?
97. Is it a good practice to run Docker compose in production? if yes, why. If not, why?