**Docker Questions**

**Q1: What is difference between containerization and virtualization**

**Q2: Explain Docker architecture**

1. **Docker Host**
2. **Docker Client**
3. **Daemon**
4. **Docker Hub or Registry**

**Q3:How can you check docker is installed or not ?**

**Q4: Which user by default can run the docker commands**

**Q5: I have a user by name Ubuntu I want Ubuntu user to run the docker commands how can he run the docker commands**

**Q6: List out the images in docker host**

**Q7:List the running containers in docker host**

**Q8:What are the different status of docker containers**

**Q9:Create and run a new container using below details**

**Image:jenkins/jenkins:jdk17**

**Containername: Jenkins**

**Port:8080**

**Mode:Detached mode**

**Q10:User wants to install git inside a container by name ‘jenkins’ how can he install?**

**Q11: How can I list the images,running,stopped and paused containers using single command?**

**Q12:How can I troubleshoot a container when it is not running?**

**Q13:What is persistent volume in docker.**

**Q14: What are different volumes in docker.**

**Q15: What is the use of docker-compose.Can you explain about docker-compose.yml file.**

**Q16: How can we use docker commands**

**Common Commands:**

**run**

**exec**

**ps**

**build**

**pull**

**push**

**images**

**login**

**logout**

**search**

**version**

**info**

**Q17:Write down a command to connect and disconnect a container to a host network**

**Q18: What is the default network in docker.What is inspect command used**

**Q19: What is the none network in docker .How can we disconnect from bridge network and connect to none network**

**Q20: Default location od docker ,Images and containers**

**Q21:What is a docker image**

**Q22: Why do we use following in Dockerfile**

**FROM**

**LABEL**

**WORKDIR**

**USER**

**COPY**

**CMD**

**Q23:I want to delete the unused networks and volumes**

**Q24: How can I check the resource usage of running containers.**

**Q25: What is ENV in a docker file and how is it used**

**Q26: Write a docker file for nodejs and java application**

**Q27: What is dockerfile optimization and how do you implement it**

**Q28: Forecfully delete all the running containers and images**