Docker Document

1. Command to check existing docker images
   1. docker imges
2. Command to check existing docker container
   1. Docker ps –a
3. Command to check existing docker network
   1. Docker nework ls
4. Command to create docker network
   1. Docker create network <<network name>>
5. Command to delete existing docker container
   1. Docker rm<<container id>>
6. Command to remove existing docker image
   1. Docker rmi<<image id>>
7. Command to pull standard existing docker images
   1. Docker pull <<image name:version>>
   2. Ex:- docker pull postgres:15
8. Commad to run pulled database image
   1. docker run -it --rm --network <<created network name>> postgres psql -h postgresdb -U postgres
9. Command to open created database container in bash
   1. docker exec -it <<container id>> bash
10. Command to create image from Dockerfile
    1. Docker build –t <<username>>/<<repo name>> .
    2. Ex:- docker build –t waghsudam22/ spring-boot-project-image .
    3. Note – whatever reponame you are giving should be valida reponame
11. Command to run created docker image
    1. docker run --name <container> <image>
12. Command to push image
    1. Docker push image\_name\_created\_using\_username\_and\_reponame
    2. Ex :- docker push waghsudam22/ spring-boot-project-image
13. Command to pull image
    1. Docker pull image\_name\_created\_using\_username\_and\_reponame
    2. Ex :- docker pull waghsudam22/ spring-boot-project-image
14. command to run docker compose file
    1. docker compose up
15. To run any command in detached mode add –d
16. Command to check log of container
    1. Docker log –f <<container name>>
17. Docker file name must be **Dockerfile**
18. Docker compose file name must be **docker-compose.yml**
19. Name of properties file should be application-docker.properties
20. Application.properties file should have only following line **spring.profiles.active=docker**
21. In application-docker.properties file in property spring.datasource.url container name should be name of container given in docker-compose file for database service