1. Dockerfile
   1. copy . . 🡸 Second dot is the root directory by default. Can be changed with WORKDIR.
2. Visual Code, plugin to write Dockerfile.
3. Base Images.
4. By default, the topmost directory (which is root directory) inside a container is the working directory.
5. By Default Image each name that we generate, a name is given.  
   We can given this command to run the image 🡺 docker run <image-name>
6. docker run -p <host-port>:<container-port> <image-name>
   1. -d : to run in detached as default is attached.
   2. -i: --interactive.
   3. -t: --tty : Allocate a pseudo-TTY
   4. --rm : To remove container automatically when it stops or exits.
   5. --name: To name a container.
7. docker ps: TO list running container.
   1. -a : to list the stopped ones too.
8. docker attach <container-name-or-id>
9. docker start <container-name\_or\_container-id>
   1. -a : to start in attached mode as default is detached mode.
10. docker attach <container\_id\_or\_container\_name>
11. docker container prune 🡸 To remove all stopped containers.
12. docker image
    1. prune : Removed only Dangling images (having no tag)
       1. -a: To remove dangling images too.
13. **docker rm** <container\_name> [ container\_name container\_name…]
14. docker rmi
15. docker inspect <image-id>
16. docker cp
    1. Host to Container :
       1. docker cp <host-file-or-folder-address> <container-id>:/test (Where \test is the location inside container: If not then will be created).
    2. Container to Host:
       1. docker cp <container-id>:/test <host-file-or-folder-address>
17. docker log : to print the log of the running container till now.
    1. -f : means follow.
18. Attached and Detached
    1. Attached: run Command
    2. Detached: start Command.
    3. Interactive mode: Requires attached mode.
19. Share Images:
    1. Docker Hub:
       1. Public Registry,
    2. Private Registry
20. Docker Hub:
    1. docker push username/<image\_name>
       1. To push on private 🡺 docker push <URL:Name> <image-name>
    2. docker pull <image\_name>
    3. docker login
    4. docker logout
21. d
22. AtGraphical user interface, application

    Description automatically generated

Docker Image

1. Text

   Description automatically generated
2. Command to build image 🡺 docker build . (dot).
   1. Tagging/naming an image 🡺 name : tag = Image Tag = Unique ID.  
      -t <name:tag> where tag is optional -t = --tag  
      Where <name> is repository/group and tag is a specific image in that group.  
      Like 🡺 node:4.9 where node is a group of images and 4.9 is specific version in that group.