Here’s a list of some popular Docker commands along with short explanations:

**\*\*Basic Docker Commands\*\*:**

1. \*\*`docker pull <image>`\*\*:

- \*\*Description\*\*: Downloads a Docker image from a Docker registry (like Docker Hub) to your local machine.

- \*\*Example\*\*: `docker pull ubuntu`

2. \*\*`docker run <image>`\*\*:

- \*\*Description\*\*: Creates and starts a container from a specified Docker image.

- \*\*Example\*\*: `docker run ubuntu`

3. \*\*`docker build -t <name> .`\*\*:

- \*\*Description\*\*: Builds a Docker image from a Dockerfile in the current directory and tags it with the specified name.

- \*\*Example\*\*: `docker build -t myapp .`

4. \*\*`docker ps`\*\*:

- \*\*Description\*\*: Lists all running containers.

- \*\*Example\*\*: `docker ps`

5. \*\*`docker ps -a`\*\*:

- \*\*Description\*\*: Lists all containers, including those that are stopped.

- \*\*Example\*\*: `docker ps -a`

6. \*\*`docker stop <container-id>`\*\*:

- \*\*Description\*\*: Stops a running container by its container ID or name.

- \*\*Example\*\*: `docker stop 12345abcde`

7. \*\*`docker start <container-id>`\*\*:

- \*\*Description\*\*: Starts a stopped container by its container ID or name.

- \*\*Example\*\*: `docker start 12345abcde`

We can also use name instead of **container-id** and don’t need to put full **container-id** just put first 4 character .

8. \*\*`docker rm <container-id>`\*\*:

- \*\*Description\*\*: Removes (deletes) a container by its container ID or name.

- \*\*Example\*\*: `docker rm 12345abcde`

If you want to remove all container write this command: **docker container prune**

9. \*\*`docker rmi <image-id>`\*\*:

- \*\*Description\*\*: Removes (deletes) a Docker image by its image ID or name.

- \*\*Example\*\*: `docker rmi ubuntu`

10. \*\*`docker exec -it <container-id> <command>`\*\*:

- \*\*Description\*\*: Runs a command inside a running container. The `-it` flags are used for interactive mode.

- \*\*Example\*\*: `docker exec -it 12345abcde bash`

11. \*\*`docker logs <container-id>`\*\*:

- \*\*Description\*\*: Fetches the logs of a running container.

- \*\*Example\*\*: `docker logs 12345abcde`

12. \*\*`docker images`\*\*:

- \*\*Description\*\*: Lists all Docker images on your local machine.

- \*\*Example\*\*: `docker images`

13. \*\*`docker network ls`\*\*:

- \*\*Description\*\*: Lists all Docker networks.

- \*\*Example\*\*: `docker network ls`

14. \*\*`docker volume ls`\*\*:

- \*\*Description\*\*: Lists all Docker volumes.

- \*\*Example\*\*: `docker volume ls`

15. \*\*`docker-compose up`\*\*:

- \*\*Description\*\*: Starts all the services defined in a `docker-compose.yml` file.

- \*\*Example\*\*: `docker-compose up`

16. \*\*`docker-compose down`\*\*:

- \*\*Description\*\*: Stops and removes all the containers, networks, and volumes defined in a `docker-compose.yml` file.

- \*\*Example\*\*: `docker-compose down`

### \*\*Advanced Commands\*\*:

17. \*\*`docker inspect <container-id>`\*\*:

- \*\*Description\*\*: Shows detailed information about a container or image.

- \*\*Example\*\*: `docker inspect 12345abcde`

18. \*\*`docker stats`\*\*:

- \*\*Description\*\*: Displays real-time resource usage statistics for running containers.

- \*\*Example\*\*: `docker stats`

19. \*\*`docker system prune`\*\*:

- \*\*Description\*\*: Removes all unused containers, networks, images, and optionally, volumes.

- \*\*Example\*\*: `docker system prune`

20. \*\*`docker attach <container-id>`\*\*:

- \*\*Description\*\*: Attaches your terminal to a running container’s console.

- \*\*Example\*\*: `docker attach 12345abcde`

These commands are essential for managing Docker containers and images, allowing you to build, run, and maintain containerized applications effectively.