Docker Commands Cheat Sheet

# Docker Installation and Info

* docker version — Shows Docker client and server versions.
* docker info — Displays system-wide Docker information.
* docker help — Lists all available Docker commands.

# Docker Images

* docker pull <image> — Download an image from Docker Hub.
* docker build -t <name>:<tag> . — Build an image from a Dockerfile.
* docker images — List all downloaded images.
* docker rmi <image\_id> — Remove an image.
* docker tag <image> <new\_name> — Rename or retag an image.

# Docker Containers

* docker run <image> — Run a container from an image.
* docker ps — List running containers.
* docker ps -a — List all containers (including stopped).
* docker stop <container\_id> — Stop a running container.
* docker start <container\_id> — Start a stopped container.
* docker restart <container\_id> — Restart a container.
* docker rm <container\_id> — Remove a container.
* docker exec -it <container\_id> <command> — Run a command inside a running container.
* docker logs <container\_id> — View logs from a container.

# Volumes & Storage

* docker volume create <name> — Create a volume.
* docker volume ls — List volumes.
* docker volume inspect <name> — Inspect volume details.
* docker volume rm <name> — Remove a volume.

# Networks

* docker network ls — List Docker networks.
* docker network create <name> — Create a custom network.
* docker network connect <network> <container> — Connect a container to a network.
* docker network disconnect <network> <container> — Disconnect container from network.

# Dockerfile & Compose

* docker build -t <name> . — Build an image from a Dockerfile.
* docker-compose up — Start services defined in docker-compose.yml.
* docker-compose down — Stop and remove all services.
* docker-compose ps — List containers managed by Compose.
* docker-compose logs — View logs from Compose services.

# Cleanup Commands

* docker system prune — Remove unused data (containers, images, volumes).
* docker image prune — Remove unused images.
* docker container prune — Remove stopped containers.
* docker volume prune — Remove unused volumes.