# Dockerfile Reference

| Command |  |
| --- | --- |
| FROM | Base Image name |
| MAINTAINER | Reference of maintainer |
| RUN | To run a command in shell |
| EXPOSE | To expose / open a port |
| WORKDIR | To set current directory |
| USER | To set current user account |
| COPY | To copy file from host to container |
| VOLUME | To map a directory of host with container |
| ENTRYPOINT | To execute command on start of container |
| CMD | To run a command/Shell script |

# Docker Engine Reference

| Command |  |
| --- | --- |
| docker images | To see all images list in machine |
| docker ps | To see list of running containers |
| docker build | To create an image from Dockerfile |
| docker ps -a | To see list of all containers including stopped |
| docker stop | To stop a container |
| docker start | To start a container |
| docker run | To create a new container from an image |
| docker run -d | To run container in background |
| docker run -it | To run container in interactive terminal |
| docker attach | To bring the background container in foreground and connect with it. |
| docker rm | To delete docker container |
| docker rmi | To delete docker image |
| docker login | To login to docker hub |
| docker logout | To logout from docker hub |
| docker tag | To tag an image |
| docker push | Push image to repository |
| docker pull | Pull image from repository |
| docker exec | Executes a command inside container |