

This code has to be run in the terminal linked to the folder in which the dockerfile is present

Docker Instructions

DOCKER = Is a software use to create virtual machine in which you can enter using a terminal

NB: on some system the command `sudo` shall be used to run docker commands.

Create the rbm-base image

Create a virtual machine, run with internet connection and takes so much time this is the version

```
docker build -f Dockerfile --target rbm-base . -t rbm-base:1.0.0
```

rbm-base = the name of the virtual machine

Different way to run the machine:

Run rbm-base container

The command to run jupyter

```
docker run --rm -it -p 8080:8080 rbm-base:1.0.0
```

Running that command, you will see the link to jupyter with all the laboratories that we have to do

Run rbm-base container with bash

We want to run the machine, but using it with the command line (using the bash)

```
docker run --rm -it -p 8080:8080 rbm-base:1.0.0 bash
```

So here we are inside of the virtual machine! The only think that you cannot do is use graphical interface

Stop running containers

```
docker container prune
docker rmi $(docker images --filter "dangling=true" -q --no-trunc)
```

Remove the rbm-base image (RESET)

image = is the virtual machine, running this code you free the memory of the PC removing the virtual machine

```
docker container prune
docker rmi rbm-base:1.0.0
docker rmi $(docker images --filter "dangling=true" -q --no-trunc)
docker buildx prune -f
```

Run jupyter notebook inside a bash container

```
jupyter notebook --ip 0.0.0.0 --port=8080 --no-browser --allow-root
```

exit = command to exit from the virtual machine