Lab11-Containerization

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History of commands and explanation in GitBash

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| Command | Explanation |
| docker run hello-world | Quick test run to make sure of the working docker in our computer |
| cd ../COMP3104 DEVOPS | go to directory Where I work and save my course-related projects |
| mkdir lab11\_docker | create directory lab11\_docker where I will work |
| cd lab11\_docker | set current directory as lab11\_docker |
| touch Dockerfile | create Dockerfile with the touch command |
| code . Dockerfile | use visual studio to code, create and edit the Dockerfile file |
| code . app.py | use visual studio to code, create and edit the app.py |
| code . requirements.txt | use visual studio to code, create and edit the requirements.txt |
| ls -la | list and check the status of the files we have on our directory |
| docker build –tag=hellodocker | build our first docker container |
| docker image ls | Check our latest instance of our image/container in the Docker image registry |
| docker run -p 4000:80 hellodocker | Run our docker container listed in our registry which contains our python script, -p switch to map our ports, from port 80 where the app is hosted, and we mapped it to our 4000 host machine |
| docker container ls | To see our registry of docker container running (make sure there are non running) |
| docker container stop CONTAINER\_ID (wasn’t necessary) | To stop our docker container from running (but since it was already stopped, we didn’t need to do it) |
| git init | initialize current empty Git repository, where I was working |
| git add Dockerfile, app.py, requirements.txt | add to the commit the files Dockerfile, app.py and requirements.txt |
| git commit -m “first commit” | create a commit with the message “first commit” |
| git branch -M main | create and go to branch called main in the repository |
| git remote add origin https://github.com/DiegoPl01/lab11\_Docker.git | Creating a new remote where I can push my repository |
| git push -u origin main | Push my repository from local branch named main to origin remote repository |

Texto

Descripción generada automáticamente

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