TAREA N° 2 Dockerfile

DEVOPS Y DESPLIEGUE MODULO IV

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1: creamos nuestra carpeta y dirigimos a la carpeta creada

2: abrimos nuestro visual studio code

```
C:\dev0ps\docker\P-2GOC-PYTHON A Pair Ctrl | Strict Beta Ctrl Shift | Code .
```

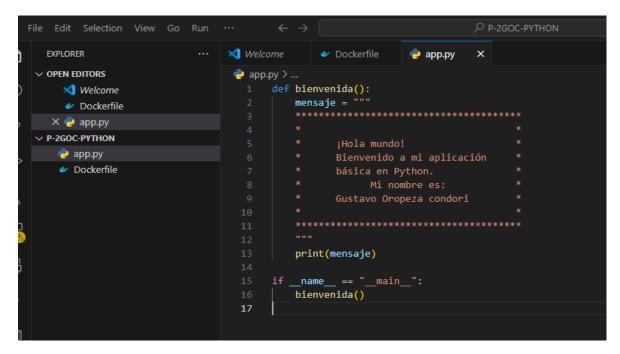
3: creamos un archivo de Dockerfile

```
刘 File Edit Selection View Go Run …
      EXPLORER
                                  💢 Welcome
                                                 Ф

✓ OPEN EDITORS

                                    Dockerfile > ...
                                         FROM python:3.10-slim
         × Welcome
       × 🔷 Dockerfile
                                         WORKDIR /app
         app.py
     ∨ P-2GOC-PYTHON
                                         COPY app.py .
        e app.py
        Dockerfile
                                         CMD ["python", "app.py"]
Д
```

4: hacemos una mensaje de bienvenida con el archivo llamado app.py



5: aquí construimos nuestra imagen con el nombre de : python-3.10-slim:1.0

```
C:\devOps\docker\P-2GOC-PYTHON (0.082s)
history
 or nocket he
                                                                                                                                                       C:\devOps\docker\P-2GOC-PYTHON (2.916s)
docker build -t python-3.10-slim:1.0 .
                                                                                                                                                docker:desktop-linux
[+] Building 2.3s (9/9) FINISHED
 => => transferring dockerfile: 121B
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
                                                                                                                                                                0.0s
 => [1/3] \ \ FROM \ \ docker.io/library/python: 3.10-slim@sha256: 2ee0fb8794bf82af1b2db168ada5869b4c27d17720dd3b155b56c111fb4a38ae
 >> resolve docker.io/library/python:3.10-slim@sha256:2ee@fb8794bf82af1b2db168ada5869b4c27d1772@dd3b155b56c111fb4a38ae
                                                                                                                                                                0.0s
 => [internal] load build context
=> CACHED [2/3] WORKDIR /app
=> CACHED [3/3] COPY app.py .
=> exporting to image
 => => exporting layers
=> exporting manifest sha256:9824048f6ca114d35f0a2213c14b65e7cf04432bf868a07b34c1db77fb1faf56
 => exporting config sha256:2191af1f54019c19b9fe81c143af6cf73ceaf76a4fd7ffee8d6fdc9491cb8a50
 => exporting attestation manifest sha256:44fc1363c2c4af37f9d6cd239b97971d8ffcfc5158ac39f32fe5584f3d70981c
                                                                                                                                                               0.0s
 => exporting manifest list sha256:081be2c31ff4ad5d4bf94f4610b0e93c0fffb97b7afdfa9ecd91cf4539dc5bc9
```

6: Aquí verificamos si hemos creado la imagen y claramente lo hemos creado



7: Ejecutamos el contenedor de la imagen.

8: verificamos si está corriendo nuestro contenedor



9: Nos logueamos para subir nuestra imagen cread a Docker Hub

```
C:\devOps\docker\P-2GOC-PYTHON (3.948s)

docker login

Authenticating with existing credentials... [Username: gustavo345]

Info → To login with a different account, run 'docker logout' followed by 'docker login'

Login Succeeded
```

10: Etiquetamos la imagen con nuevo nombre para subirlo

```
C:\devOps\docker\P-2GOC-PYTHON (0.295s)

docker tag nginx:perl-1.0 gustavo345/python:3.10-slim-1.0.5
```

11: Finalizamos al subir nuestra imagen a nuestra cuenta de Docker Hub

```
C:\devOps\docker\P-2GOC-PYTHON (0.266s)

docker tag python-3.10-slim:1.0 gustavo345/python:3.10-slim-1.0.5

C:\devOps\docker\P-2GOC-PYTHON (1m 25.01s)

docker push gustavo345/python:3.10-slim-1.0.5

The push refers to repository [docker.io/gustavo345/python]

aa22326727c8: Pushed

1332bc95f947: Pushed

a9c316b0532d: Pushed

61320b01ae5e: Mounted from library/httpd

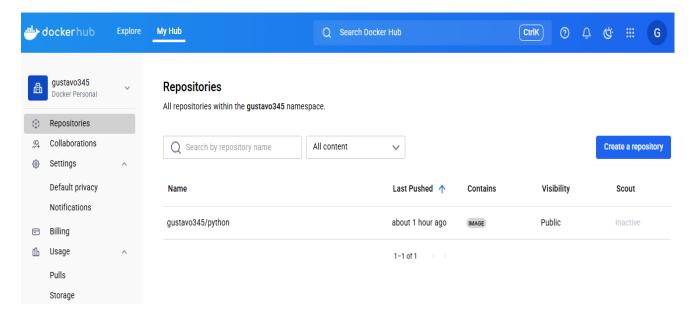
3245b8408196: Pushed

84feadac48a: Pushed

88eb8613d815: Pushed

3.10-slim-1.0.5: digest: sha256:081be2c31ff4ad5d4bf94f4610b0e93c0fffb97b7afdfa9ecd91cf4539dc5bc9 size: 856
```

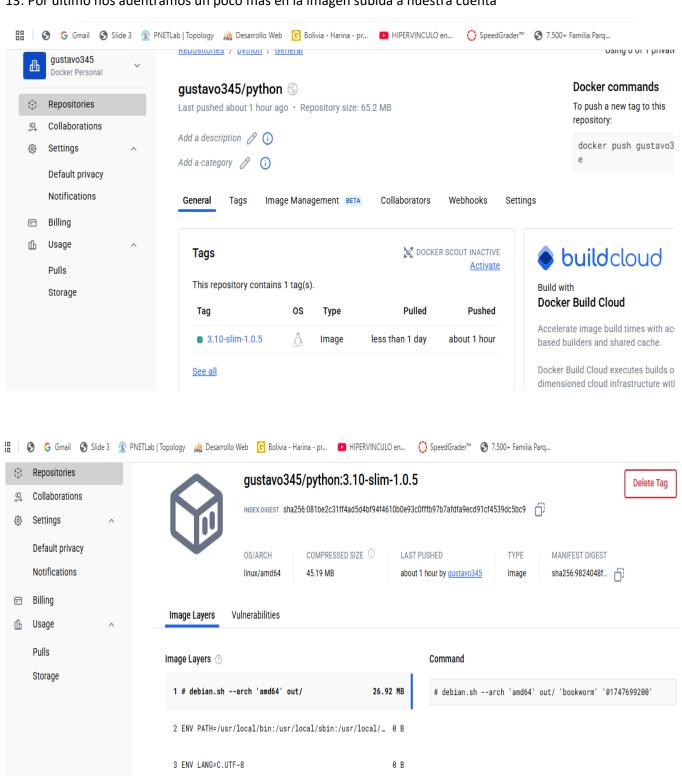
12: Aquí verificamos nuestro repositorio de Docker Hub y vemos claramente que esta ya subida nuestra imagen a nuestra cuenta:



13: Por ultimo nos adentramos un poco más en la imagen subida a nuestra cuenta

4 RUN /bin/sh -c set -eux;

5 ENV GPG_KEY=A035C8C19219BA821ECEA86B64E628F8D684696D 0 B



3.35 MB

Link de mi repositorio de Docker Hub: https://hub.docker.com/r/gustavo345/python

Link de mi github: https://github.com/gustavo-gts175/TAREA-N-2_GOC-MOD-IV.git

Ssh: git@github.com:gustavo-gts175/TAREA-N-2_GOC-MOD-IV.git