

PRODUCT DEVELOPMENT

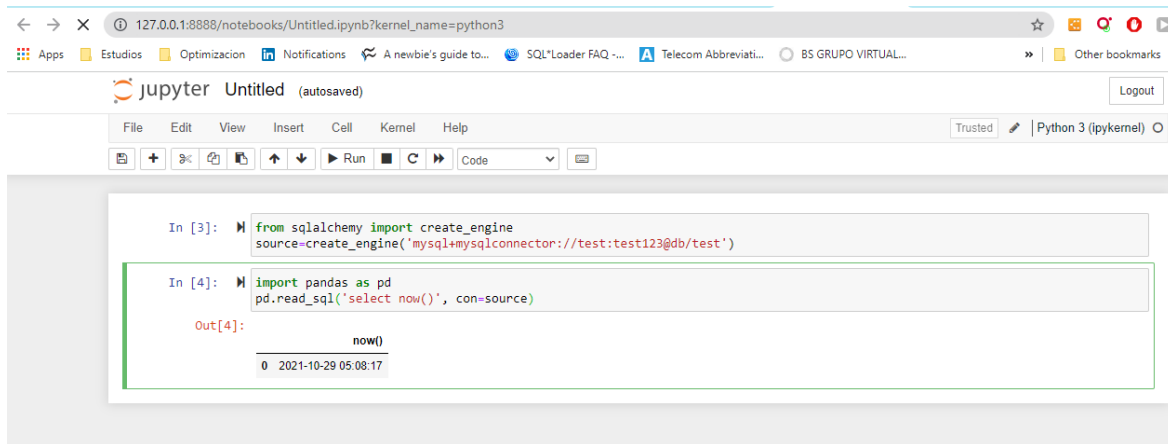
Tarea Clase Docker

Sergio Palma – 0112830

Luego de la instalación realizada siguiendo los pasos descritos en clases, se creo el archivo YAML para configuración. Este archivo se encuentra en el repositorio.

Evidencias de funcionamiento:

Python funcionando y conectándose a MySQL:

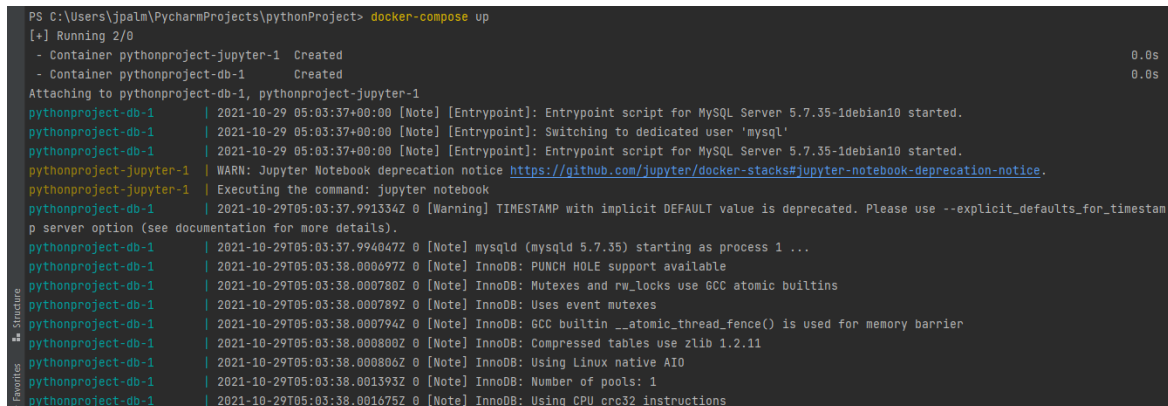


```
In [3]: from sqlalchemy import create_engine
source=create_engine('mysql+mysqlconnector://test:test123@db/test')

In [4]: import pandas as pd
pd.read_sql('select now()', con=source)

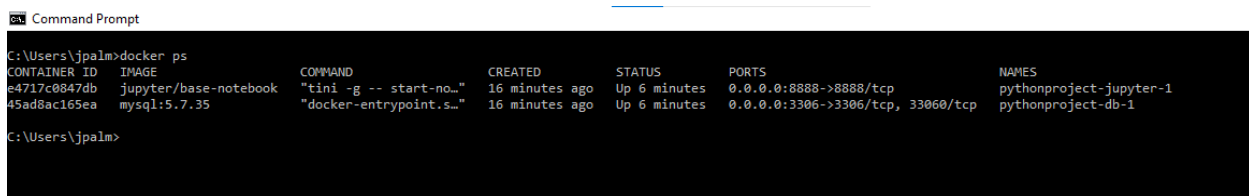
Out[4]:
      now()
0 2021-10-29 05:08:17
```

Funcionamiento correcto de archivo YAML:



```
PS C:\Users\jpalm\PycharmProjects\pythonProject> docker-compose up
[+] Running 2/0
 - Container pythonproject-jupyter-1 Created                                0.0s
 - Container pythonproject-db-1 Created                                    0.0s
Attaching to pythonproject-db-1, pythonproject-jupyter-1
pythonproject-db-1 | 2021-10-29 05:03:37+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 5.7.35-1debian10 started.
pythonproject-db-1 | 2021-10-29 05:03:37+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
pythonproject-db-1 | 2021-10-29 05:03:37+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 5.7.35-1debian10 started.
pythonproject-jupyter-1 | WARN: Jupyter Notebook deprecation notice https://github.com/jupyter/docker-stacks#jupyter-notebook-deprecation-notice.
pythonproject-jupyter-1 | Executing the command: jupyter notebook
pythonproject-db-1 | 2021-10-29T05:03:37.991334Z 0 [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit_defaults_for_timestamp server option (see documentation for more details).
pythonproject-db-1 | 2021-10-29T05:03:37.994047Z 0 [Note] mysqld (mysqld 5.7.35) starting as process 1 ...
pythonproject-db-1 | 2021-10-29T05:03:38.000697Z 0 [Note] InnoDB: PUNCH HOLE support available
pythonproject-db-1 | 2021-10-29T05:03:38.000780Z 0 [Note] InnoDB: Mutexes and rw_locks use GCC atomic builtins
pythonproject-db-1 | 2021-10-29T05:03:38.000789Z 0 [Note] InnoDB: Uses event mutexes
pythonproject-db-1 | 2021-10-29T05:03:38.000794Z 0 [Note] InnoDB: GCC builtin __atomic_thread_fence() is used for memory barrier
pythonproject-db-1 | 2021-10-29T05:03:38.000800Z 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
pythonproject-db-1 | 2021-10-29T05:03:38.000806Z 0 [Note] InnoDB: Using Linux native AIO
pythonproject-db-1 | 2021-10-29T05:03:38.001393Z 0 [Note] InnoDB: Number of pools: 1
pythonproject-db-1 | 2021-10-29T05:03:38.001675Z 0 [Note] InnoDB: Using CPU crc32 instructions
```

Repositorios funcionando:



```
C:\Users\jpalm> docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                    NAMES
e4717c0847db   jupyter/base-notebook              "tini -g -- start-no..." 16 minutes ago Up 6 minutes   0.0.0.0:8888->8888/tcp    pythonproject-jupyter-1
45ad8ac165ea   mysql:5.7.35                       "docker-entrypoint.s..." 16 minutes ago Up 6 minutes   0.0.0.0:3306->3306/tcp, 33060/tcp  pythonproject-db-1
```

