PROJECT-03: Python

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03
$ git clone https://github.com/ngallot/docker-python-helloworld
Cloning into 'docker-python-helloworld'...
remote: Enumerating objects: 27, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 27 (delta 5), reused 3 (delta 3), pack-reused 18
Receiving objects: 100% (27/27), done.
Resolving deltas: 100% (5/5), done.

User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03
$ cd docker-python-helloworld/
```

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/docker-python-helloworld (master)
$ vi Dockerfile

User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/docker-python-helloworld (master)
$ docker build -t firstpythonapp .
```

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/docker-python-helloworld (master)
$ docker run firstpythonapp
Hello Docker world!

User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/docker-python-helloworld (master)
$ cat Dockerfile
FROM python:3.7-slim

# Add requirements file in the container
COPY requirements.txt ./requirements.txt
RUN pip install -r requirements.txt

# Add source code in the container
COPY main.py ./main.py

# Define container entry point (could also work with CMD python main.py)
ENTRYPOINT ["python", "main.py"]
```

BONUS:

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03
$ cd sample-python/

User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/sample-python (main)
$ vi Dockerfile
```

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/sample-python (main)
$ cat Dockerfile
FROM python:3.11-slim
WORKDIR /app
COPY server.py ./server.py
COPY requirements.txt ./requirements.txt
RUN pip install -r requirements.txt
CMD ["python", "server.py"]
```

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/sampl
e-python (main)
$ docker build -t py2 .
```

```
User@DESKTOP-2NEPDBV MINGW64 /e/All-task/Task-03/sample-python (main)
$ docker run -dp 8080:80 py2
5c0f4f7dce0743a89ae2e586748b69741e531b7bf025b47abf190cc9a16f7adb
```