When you see a *docker-compose* file, use the following command to run the exercise:

*sudo docker-compose up*

If your machine does not provide *docker-compose*, you can install it by following this guide [[link](https://docs.docker.com/compose/install/)].

To solve the exercise, you need first to inspect the app with the browser’s debugger, and then, once you understood what you need to solve it, we suggest you write a Python script.

Some useful Python libraries:

import hashlib

import codecs

import numpy as np

import requests

A request example:

#IP

ip = "127.0.0.1"

port= "8080"

#we first check that our MD5 works by comparing Md5(100) with

#the one in the webpage

control = "f899139df5e1059396431415e770c6dd"

tester = 100

tester\_b = str.encode(str(tester))

tester\_md5 = hashlib.md5(tester\_b).hexdigest()

print(f"tester={tester\_md5 == control}")