Coding exercise

- Checkout DS_Examples master branch.
- Go to the misc directory and open the webserver.py file.

1. Modify the program so that instead of returning a fixed coded HTML file, the file example.html is returned.

2. Modify the program so that the file example.html is only returned if the resource /example is requested by the web browser. Otherwise, an error code 404 (not found) should be returned.

Coding exercise

3. Write a web client program using the Python library aiohttp that communicates with your web server. Take the URL to be used as command-line parameter. Print the body and headers of the HTTP response on the console and exit.

Example: misc/webclient.py

AIOHTTP: https://docs.aiohttp.org/en/stable/

4. Add error handling for the following cases:
   - Response timeout.
   - Bad HTTP error code: only valid HTTP codes should be accepted, otherwise an error should be shown in the console.