Virtualization II   WS 2025/26
Dr. Torsten Harenberg – Dr. Marisa Sandhoff

Exercise 1 - Getting warm with Containers
Turn in: Monday 27.10.2025 until 08:00 **in Moodle**

Teamwork:

- form groups of two (2) to three (3) students.
- please file only **one** submission in Moodle for your whole group. Mark clearly the group member's names and student ID numbers on your submission.

(1) Writing your own container (20p)

Based on the example during the lecture, write Dockerfiles that

A. serve the HTML file (also see next page) from the slides with Caddy[1]

    Hand in a.- the Dockerfile and b.- an example run (screenshots of Terminal and Web Browser)

    Additionally, hand in a short summary of possible problems you encounter

    (10p)

B. modify the Dockerfile from (A) that the HTML file is provided through a bind mount, so that you can change its content during run time. Verify that changing the HTML file changes the answer from the web server.

    Hand in a.- the Dockerfile and b.- an example run showing at least two screenshots of your Web Browser with the content changing

    (10p)

---

[1] https://hub.docker.com/_/caddy

Example HTML code from the lecture:

```html
<HTML>
<BODY>
<H1>Hello, my name is [YOUR NAME]</H1>
</BODY>
</HTML>
```