

Exercises

Using HTML syntax, easy

create a page with

- ▶ your name
- ▶ email address with a hyperlink (use mailto:)
- ▶ write two sentences about what you have studied and why you are participating in this course
- ▶ and links to social media pages

Using CSS syntax, easy

- ▶ set a different background color
- ▶ set a different font family, e.g., "Courier New"
- ▶ set a different text color

Using XML syntax, medium

Protein database stores space coordinates of many protein atoms in PDB format. Here is an excerpt from the protein 1UJ1:

1UJ1_excerpt.pdb

PDB is not easy to read for both computers and humans. How would this data look like in XML format? If you are working in groups, you can divide the conversion task: One could do the JRNL lines while someone else converts the ATOM data.

Describing data in XML format, easy

Is the climate change a hoax or not? You have been asked to create a temperature database. In the following you see temperature data of a weather station. How would you describe these data in XML? Think about appropriate tags and attributes. Only describe the content and structure but not the form.

year	month	min.	avg.	max.
2004	Jul	7.2	16.8	28.3
2009	Aug	8.6	18.5	33.6

Using Markdown syntax, easy

create a document about your three favorite lectures. The document should have one title and three sections. Include at least one of the following elements. You can render the document on an editor which supports Markdown, e.g., Jupyter notebook, or an online Markdown editor:

- ▶ emphasis
- ▶ table
- ▶ figure
- ▶ lists
- ▶ links
- ▶ a code snippet

Using RestructuredText syntax, easy

do the last exercise using reStructuredText

Further info & exercises

HTML, CSS, XML and other web technologies

- ▶ <https://www.w3schools.com>
- ▶ <https://developer.mozilla.org/en-US/docs/Web> (search for assessments)