

HTML – Lab Session

HTML

- Hypertext Markup Language
- Hypertext
 - Text is divided in small portions
 - Links between different portions enable users to travel through the document how they want to
- Markup Language
 - Way of describing a document structure (and format) by using commands within the text
 - Actual formatting done by browser, same page can look differently

HTML

- Filename
 - Ends with .html
- Development
 - Using a text editor (the simpler the better)
 - Dedicated programs also available with GUI
- Viewing
 - Using a web browser (Mozilla, IE, Opera,...)
 - Over Web (if located at a Webserver)
 - Or over filesystem (hard disk)

HTML - Commands

- Format
 - Commands in <...>
 - Called tags
 - Simple tags <com> like break of a line
 - Other tags open <com> and close </com> and pertain to text between like bold text

HTML - Structure

- Structure consists of HEAD and BODY
- HEAD
 - General information about page (author, title etc.)
 - `<HEAD>...</HEAD>`
- BODY
 - Actual content of page
 - `<BODY>...</BODY>`

HTML - HEAD

- TITLE
 - First tag: `<title>MGIS 301</title>`
- Exercise
 - Create of new file test.html
 - Open with text editor
 - Create structure of HEAD and BODY
 - Within HEAD, define title of page
 - Open with Web browser

HTML - BODY

- Text
 - Simply write text within body
- Exercise
 - Within body, write some text
 - Try out adding an empty line
 - Inspect result using Web browser

HTML - BODY

- HEADINGS
 - `<h1>...</h1>` Heading level 1
 - `<h2>...</h2>` Heading level 2
 - `<hx>...</hx>` Heading level x
- Exercise
 - Add two different headings to your page

HTML - BODY

- Formatting

- `...` bold, `<i>...</i>` italic, `<u>...</u>` underlined
- `
` end of line
- `<p>` end of paragraph
- `<center>...</center>` centered
- `...` font size +/- x

- Exercise

- Add some formatted text to your page

HTML - BODY

- Lists
 - Can be ordered or unordered (`...` or `...`)
 - Within the list tag, `` is one list item
 - Lists (also of different types) can be put within the other (sub-lists)
- Exercise
 - Add a list to your page

HTML - BODY

- Tables

- `<table>...</table>` table environment
- `<tr>...</tr>` table row
- `<td>...</td>` table field
- Example:

```
<table><tr><td>1</td><td>Stefan</td></tr>  
<tr><td>2</td><td>Ahmet</td></tr></table>
```

- Exercise

- Add a table to your page

HTML - BODY

- Image
 - `` include image at LOCATION at this place
 - LOCATION can be a complete URL (Internet adress) or a file on file system (hard drive)
 - LOCATION can be fully specified or relative (with regard to directory the .html-file is in)
- Exercise
 - Add an image to your page

HTML - BODY

- Hyperlink
 - `...` set hyperlink to LOCATION with a certain text
- Exercise
 - Add a link to <http://www.ku.edu.tr> to your page

HTML

- Exercise
 - Create a second page and link both of your pages