

Chapter#2 HTML

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Basic Concept

- Hypertext
- Tags & elements
- Text formatting
- Lists, hyperlinks, images
- Tables, frames
- Form

A. Hypertext & HTML

- HyperText Markup Language (HTML) adalah bahasa yang digunakan untuk membuat dokumen dan menampilkannya di web.
 - *hypertext* refers to the fact that Web pages are more than just text
 - can contain multimedia, provide links for jumping within & without
 - *markup* refers to the fact that it works by augmenting text with special symbols (tags) that identify structure and content type
- HTML adalah standar yang berkembang (sebagai teknologi baru)
 - HTML 1 (Berners-Lee, 1989): very basic, limited integration of multimedia
 - in 1993, Mosaic added many new features (e.g., integrated images)
 - HTML 2.0 (IETF, 1994): tried to standardize these & other features, but late
 - in 1994-96, Netscape & IE added many new, divergent features
 - HTML 3.2 (W3C, 1996): attempted to unify into a single standard
 - but didn't address newer technologies like Java applets & streaming video
 - HTML 4.0 (W3C, 1997): current standard
 - attempted to map out future directions for HTML, not just react to vendors
 - XHTML 1.0 (W3C, 2000): HTML 4.01 modified to conform to XML standards

B. Web Development Tool

- Banyak tools pendukung pengembangan web, contoh: Microsoft FrontPage, Netscape Composer, Adobe PageMill, Macromedia DreamWeaver, HotDog, dll
- Mengapa perlu mempelajari code HTML dasar?
 - may want low-level control
 - may care about size/readability of pages
 - may want to "steal" page components and integrate into existing pages
 - may want dynamic features such as scripts or applets

C. Tag VS Elemen HTML

- HTML merupakan sekumpulan tag yang mengidentifikasi structure dan content
 - tags are enclosed in `< >`
 - `` specifies an image
 - most tags come in pairs, marking a beginning and ending
 - `<title>` and `</title>` enclose the title of a page
- HTML element adalah pasangan tag
 - `<title>My Home Page</title>` is a TITLE element
 - `This text appears bold.` is a BOLD element
 - `<p>Part of this text is bold.</p>`
 - is a PARAGRAPH element that contains a BOLD element

D. Struktur Elemen HTML

- HTML memiliki 2 elemen utama
 - HEAD contains setup information for the browser & the Web page
 - e.g., the title for the browser window, style definitions, JavaScript code, ...
 - BODY contains the actual content to be displayed in the Web page

```
<html>
<!-- Matakuliah Pemrograman Web -->
<!-- Chapter # 2 -->
<head>
  <title>Title for Page</title>
</head>
<body>
  Text that appears in the page
</body>
</html>
```

HTML documents begin and end with `<html>` and `</html>` tags

Comments appear between `<!--` and `-->`

HEAD section enclosed between `<head>` and `</head>`

BODY section enclosed between `<body>` and `</body>`

Referensi

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Tugas

- Buatlah halaman web sederhana
 - Gambar sketsa web yang akan dibuat
 - Gunakan sebanyak mungkin tag HTML