

2022

PBW

Modul 1 – HTML

Silakan buat halaman web sesuai petunjuk. Gunakan template yang telah disediakan.

Modified from Modul Maria Veronica (2016)



PETUNJUK Pengerjaan

1. Rename folder TEMPLATE menjadi M01xyyy.
2. Gunakan template yang sudah diberikan. Pada template sudah ada comment berupa petunjuk, bacalah baik-baik.
3. JANGAN MENGELUARKAN GAMBAR DARI FOLDER IMAGES!
4. JANGAN MENGUBAH NAMA FILE!
5. Jawablah pertanyaan-pertanyaan (berwarna oranye) yang ada pada modul. Jawaban tersebut diletakkan pada file index.html pada bagian paling atas (dalam bentuk komentar).
6. Upload folder Anda (di zip) ke IDE sesuai submission yang sudah ditentukan.

Halaman Index (index.html)

Pada folder TEMPLATE telah disediakan file **index.html**. Buatlah web page mengikuti seperti pada contoh di bawah. Lengkapi file index.html dan gunakan elemen-elemen HTML yang sudah dibahas di slide. Jika masih bingung, ikuti langkah – langkah yang disediakan!

Computer Programming

Document type	:	Article
Writer	:	[your REAL name here]
Class	:	PBW
Reference	:	Wikipedia

Navigation

1. On this Page
 - [Definition](#)
 - [Programming Language](#)
 - [Languages for Web Development Course](#)
2. Other Pages
 - [Programming Language Tables and Graph](#)
 - [Wikipedia](#)

Definition

Computer programming, often shortened to *programming* is a process that leads from an original formulation of a computing problem to executable computer programs. Programming involves activities such as **analysis, developing understanding, generating algorithms, verification of requirements of algorithms including their correctness and resources consumption, and implementation** (commonly referred to as coding) of algorithms in a target programming language. Source code is ~~written~~ written in one or more **programming languages**. The purpose of programming is to *find a sequence of instructions* that will automate performing a specific task or solving a given problem. The process of programming thus often requires expertise in many different subjects, including knowledge of the application domain, specialized algorithms and formal logic.

Wikipedia said,

Related tasks include testing, debugging, and maintaining the source code, implementation of the build system, and management of derived artifacts such as machine code of computer programs. These might be considered part of the programming process, but often the term "software development" is used for this larger process with the term "programming", "implementation", or "coding" reserved for the actual writing of source code. Software engineering combines engineering techniques with software development practices.

Programming Language

A programming language is a machine-readable artificial language designed to express computations that can be performed by a machine, particularly a computer. Programming languages can be used to create programs that specify the behavior of a machine, to express algorithms precisely, or as a mode of human communication. Alan Kay said, "The most disastrous thing that you can ever learn is your first programming language."

Here's some common programming language types and their examples.

1. Object Oriented Class Based Languages
 - C++
 - C#
 - Java
2. Data Oriented Languages
 - SQL
 - WebSQL
3. Embeddable Language
 - PHP
 - JavaScript
 - JScript

End of Article

1. Buatlah judul menggunakan tag h1.
2. Gunakan tag untuk preformatted text untuk bagian di bawah judul.

[1]. Apa yang terjadi jika tag preformatted text dihilangkan?

3. Ganti [your REAL name here] pada bagian 'writer' dengan nama lengkap Anda.
4. Buatlah sub bab "Navigation" dengan ketentuan:
 - Pada bagian 'On this Page' buatlah link untuk menuju ke sub bab "Definition" dan "Programming Language".
 - Pada bagian 'Other Pages' buatlah link untuk menuju ke halaman table.html dan ke website Wikipedia (buka Wikipedia di tab baru). Gunakan alamat <https://www.wikipedia.org/> untuk membuat link ke website tersebut.

[2]. Jelaskan apa perbedaan ul dan ol!

5. Isi sub bab definisi sudah disediakan. Silakan tambahkan tag-tag untuk text formatting sehingga paragraf tersebut terlihat seperti contoh.
6. Buatlah sub bab "Programming Language" sesuai contoh di atas! Gunakan tag untuk kutipan pada kalimat-kalimat yang mengutip.
7. Silakan melanjutkan pekerjaan Anda dengan membuat halaman table.html (lengkapi template yang ada).

*) Tergantung lebar dari browser, banyaknya teks tiap baris dapat berbeda dari gambar contoh.

Buatlah sebuah halaman web seperti contoh pada gambar di bawah. Pada folder TEMPLATE telah disediakan file table.html, modifikasilah file tersebut untuk membuat halaman web seperti pada contoh. Perhatikan ketentuannya!

- # Programming Languages Tables and Graph

Language	Java	JavaScript	PHP
Type Safety	Safe		-
Type Expression	Explicit	Implicit	
Type Checking	Static	Dynamic	

THE PERIODIC TABLE OF PROGRAMMING LANGUAGES

Visualisation of the evolution of popular programming languages

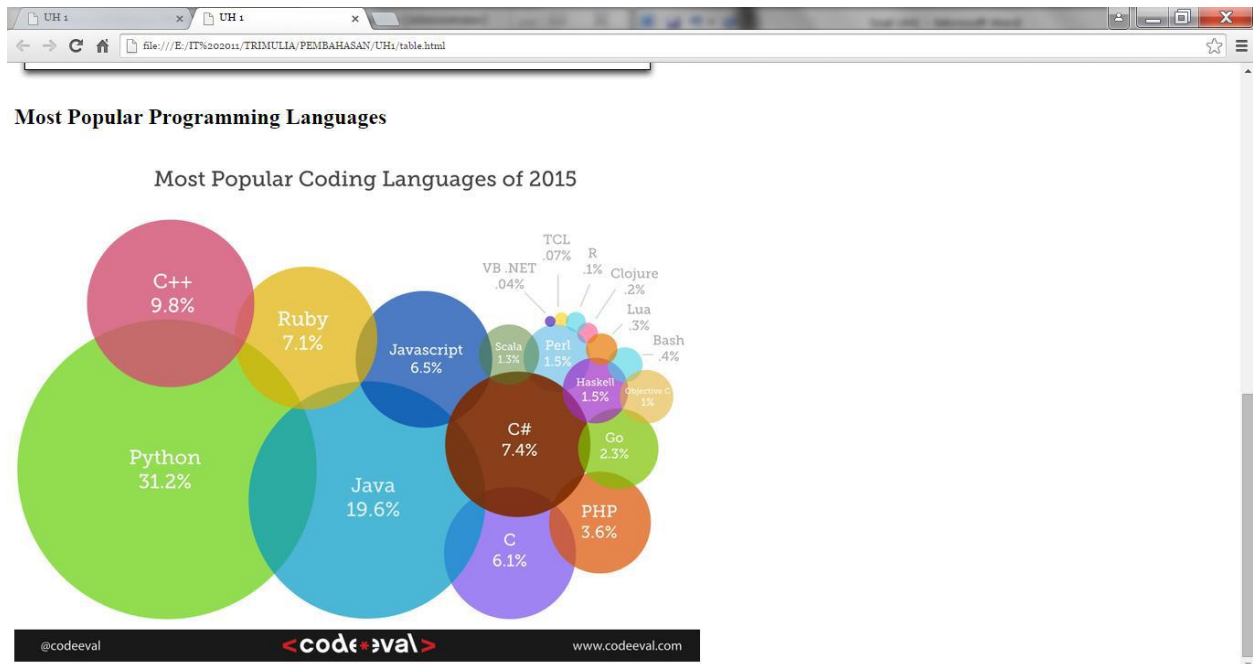
Legend:

- Mechanical
- Imperative
- Object Oriented
- Scripting
- Declarative
- Functional
- Dynamic
- Concurrent
- Multi-paradigm

A ¹ Analytical Engine Order Code																	E ² ENIAC Short Code	
Ft ³ Fortran	Ag ⁴ ALGOL															Cb ⁵ COBOL	L ⁶ LISP	
Sn ⁷ SNOWBOL	Bs ⁸ BASIC	Sm ⁹ Simula														P ¹⁰ PL/I	B ¹¹ B	Lg ¹² LOGO
Fo ¹³ Forth	Pc ¹⁴ Pascal	St ¹⁵ Smalltalk	Sq ¹⁶ SQL	Pg ¹⁷ Prolog											C ¹⁸ C	M ¹⁹ Modula	MI ²⁰ ML	Sc ²¹ Scheme
Ad ²² Ada	Cp ²³ C++	Ef ²⁴ Eiffel	Oc ²⁵ Objective C	Ps ²⁶ PostScript	Tc ²⁷ Tcl	Ht ²⁸ HyperTalk	Pl ²⁹ Perl	Cl ³⁰ Common LISP	Er ³¹ Erlang									
Vb ³² Visual BASIC	Dp ³³ Delphi	Jv ³⁴ Java	Py ³⁵ Python	As ³⁶ AppleScript	Cf ³⁷ ColdFusion	Js ³⁸ JavaScript	Pp ³⁹ PHP	Fs ⁴⁰ F#	Hk ⁴¹ Haskell									

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Each row represents roughly a decade. The colours denote the programming



Seluruh kode pengerjaan (kode HTML dan file text) dimasukkan ke dalam sebuah file zip M01xxyyy.zip.

= SELAMAT MENGERJAKAN =