

HTML : Hyper Text Markup Language

CSS : Cascading Style Sheets

SEO: Search Engine Optimization

JavaScript

HTML & CSS

Instructor

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Make products for developers

We want to do something for mankind.

Clear vision and goal for future



Employee Tracking System

Developers Blog

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Topics

- Introduction
- How we are going to learn
- Interpreter
- Compiler
- Brackets
- Glimpse of HTML
 - Regular Tags (10 Only)
 - Self closing tags (all with , most important 5 only)
- About IDE

Introduction

Why we are doing this?

What we are going to do throughout?

GUI / Dreamweaver.

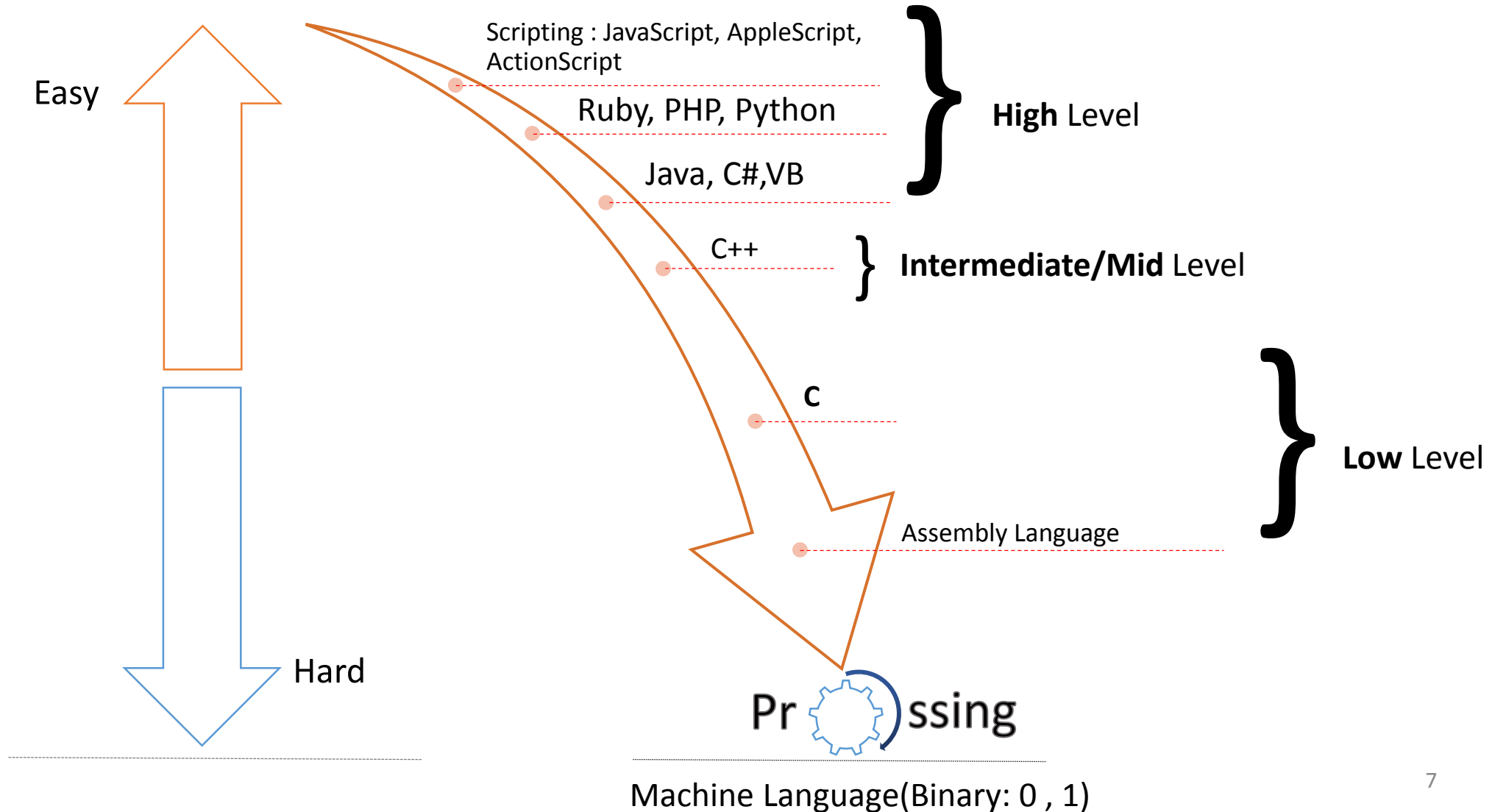
Based on need, like ridding the bicycle
For simplicity learn some things in wrong way
As easy as possible
Different way then all other

How we are going to learn?

Tag base Markup language

~~W3C maintains the HTML and CSS standards~~

Programming Language



High & Low Level

High Level:

```
If (today is holiday) then
    We_are_going_to_a_vacation()
Else
    We_are_going_to_the_office()
End if
```

Low Level(Binary):

```
010101101010011010010000010000101001011
010010101101010011010100101101.....
.....00001010
```


High Level to Low Level ?

Conversion?

Real life



American Guy



Chinese Guy

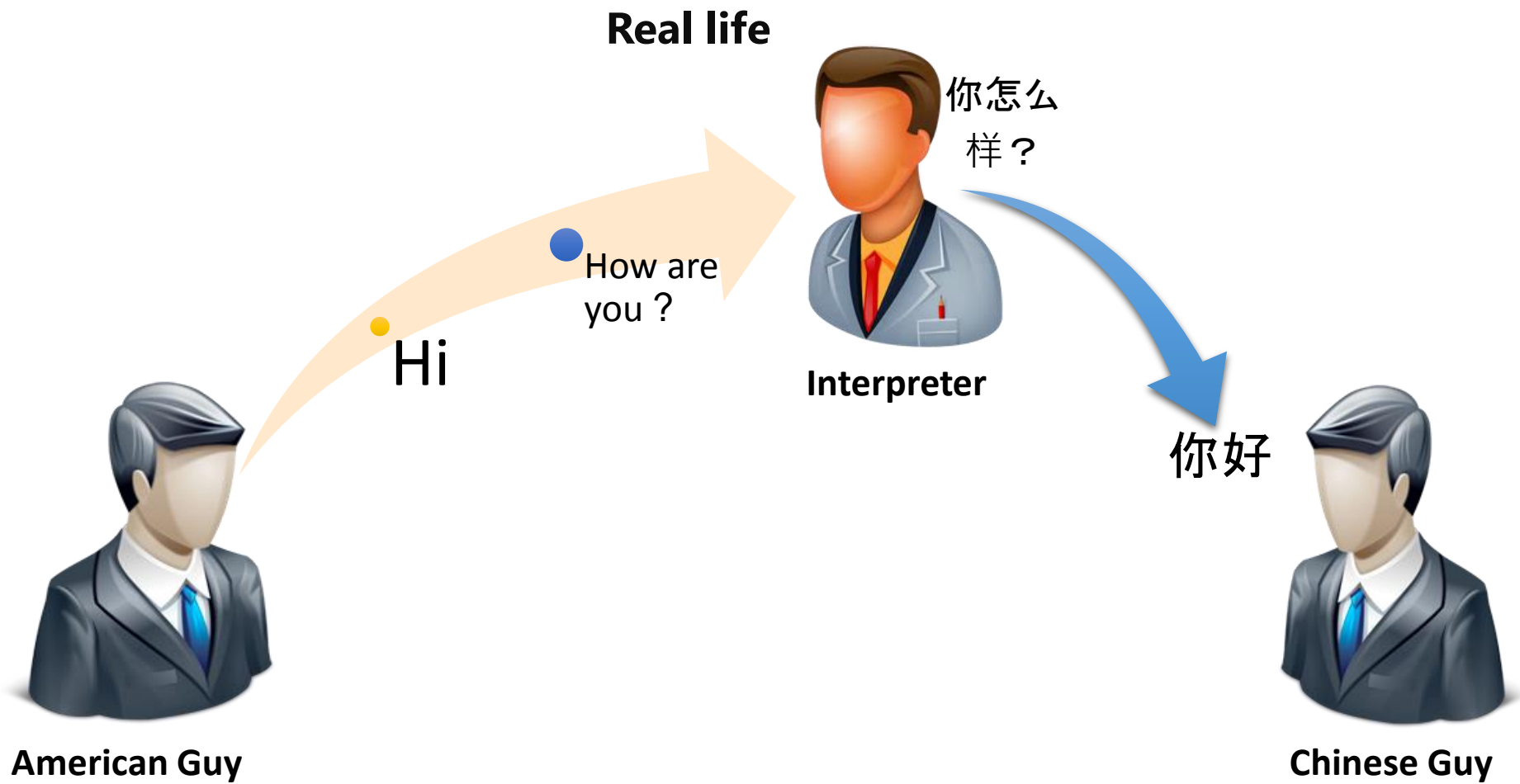
Real life



American Guy



Chinese Guy



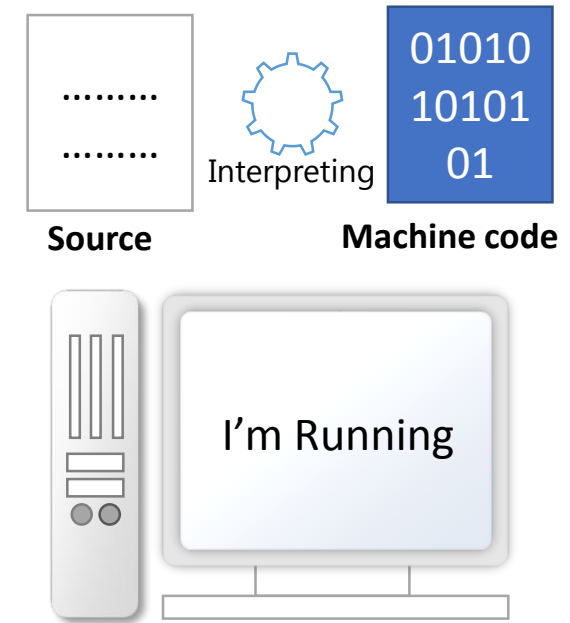
Interpreter & Compiler

- ↓ Realtime : Binary thus slower
- ↓ User should have interpreter
- ↓ User should have source code
- ↑ Less costly, hardware
- ↑ Available most machine
- ↑ Open Source
- ↓ Output varies



Development Machine
(i.e. you)

Interpreter



Production Machine
(i.e. client, user)

Interpreters: All browsers, flash player, JVM etc.

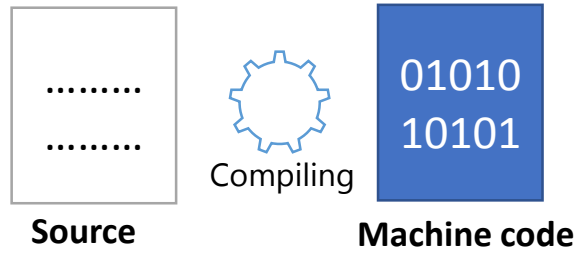
↑Precompiled : Binary thus faster

↓Development costly, hardware

↓Not open source

↑User doesn't req.

↑Based on OS output
mostly constant



Development Machine
(i.e. you)

Compiler

A stylized icon of a production machine, consisting of a vertical tower unit and a monitor. Above the monitor is a blue box containing the binary values "0101", "0101", and "0101".

exe or binary

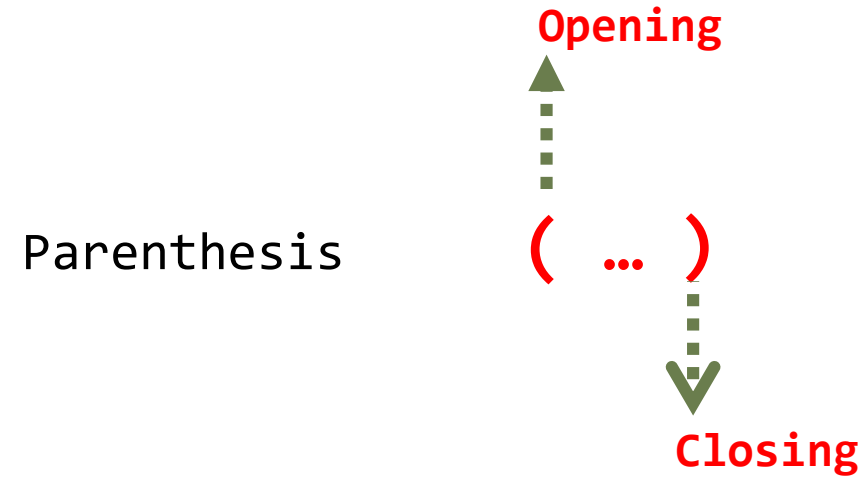
I'm Running

Production Machine
(i.e. client, user)

Brackets & Closing

Parenthesis, Curly Braces, Square Brackets, Angel Brackets

Brackets & Closing



Brackets & Closing

Parenthesis (...)

Curly Braces { ... }

Square Brackets [...]

Angel Brackets < ... >

Brackets & Closing

Parenthesis (...)

Curly Braces { ... }


Square Brackets [...]

Angel Brackets < ... >

Markup Languages

Some languages are different , for say markup languages

Tags **<html>**



A diagram consisting of a vertical dashed green line with a solid green arrowhead pointing upwards, located between the word 'Tags' and the opening tag '<html>'. The word 'Opening' is written in red text above the arrowhead.

Opening

Tags `<html>` `</html>`



Closing

Tags

`<x>...Content...</x>`

Regular tags

Tags	Display	Description
div	Block	Defines a division or group of elements
section	Block	Defines a section , or for defining chapters, header , footer. (Modern)
p	Block	Defines a paragraph text.
a	inline	Known as anchor tag like ship anchor. Represents hyperlink or thus link.
span	inline	Group inline element, doesn't affect any visibility. Helps to style or manipulate in js.

Tags `<x> ...Content... </x>`

Regular tags

Tags	Display	Description
unknown	inline	Unpredictable.
body	unknown	Defines the body contents of the whole html page.
article	Block	An excerpt of a paragraph. Potential places should be blog post, comments, news.
H1..H6	block	Headers display. For title of a article or post or thread or anything meaningful.
HTML	unknown	Defines a document as HTML.

Tags

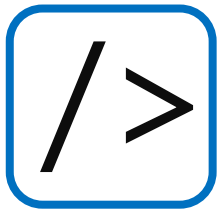
`<x> ...Content... </x>`

Regular tags

Tags `<y />`

Self closing tags

Self Closed

A diagram illustrating a self-closing tag. The text "Tags" is followed by the code "<y />". The closing slash "/" is enclosed in a blue rounded square. A dashed green arrow points from the top of this square to the text "Self Closed" in red. Below the code, the text "Self closing tags" is written in a smaller, grey font.

Tags ~~<y>~~

Self closing tags (Modern Spec)

In modern spec , `<y>` means `<y />`

Tags	Display	Description
meta	none	Define HTML page description, author or keywords.
img	Block	Shows image must define alternative.
br	inline	Line break or breaks line. Like as 'Enter' in keyboard.
hr	block	Horizontal rule. A Line to break or separate contents.
<input type="text"/>	inline	Checkbox ,textbox, radio etc.

Tags <y />

<base />

<col />

<command />

<embed />

<area/>

<keygen />

<link />

<param />

<source />

<track />

<wbr />

Code Highlighter/Syntax Highlighter

Detect code error

Automation / Scaffolding

Code Completion

Text Editor

Notepad2

Notepad++

Sublime

IDE

phpDesigner

Visual Studio

About IDE (Integrating Development Environment)

I am going to use phpDesigner 8.

You can use whatever suits you or may be sublime or Visual Studio or Notepad2.

About Browser

For now Google Chrome, later will test on other browsers and so on.

Questions ?

Thank you for watching

Instructor

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