CSCI Final Cheat Sheet

by JMR via cheatography.com/36949/cs/11642/

Machine Cycle/Processing Cycle

Fetch - Retrieves the next program instruction from memory.

Decode - Determines what the program is telling the compy to do.

Execute - Performs the requested instruction.

Store - Stores the results to an internal register or to memory.

Basic HTML Structure

```
<!DOCTYPE html>
<ht ml>
  <he ad>
    <ti tle >we bsite title< /ti tle>
  </h ead>
  <bo dy>
    content of website
...
  </b ody>
</h tml>
```

Random Bytes

*Bit = Smallest piece of data a compy works with
*8 Bits = 1 byte aka a single unit of storage
*Binary Data = written in 1s and 0s

System Unit Main Components

Motherboard	Internal Speaker
CPU	Drive Bays
Power Supply	Expansion Slots
Cooling Fan	

Abbreviations

CSS - Cascading Style Sheet	HTML - Hyper Text Markup Language
CPU - Central Processing Unit	VoIP - Voice over Internet Protocol
LAN - Local Access Network	WAN - Wide Area Network
POST - Power-on Self-Test	CMOS - Comp. Metal Oxide Semiconductor
BIOS - Basic input/Output Sys.	

Access 2013

4 Objects = Tables, Forms Queries & Reports	Rows = Records, Columns = Fields

JavaScript/HTML Thing

<form></form>	<input></-input> = within form
"document.write" to print	alert - simple popup window w/ ok button
onClick = event that's triggered when a user clicks something	<script> </script>
Conditional Statements (if/else)	if (something happens){-takes action}
Call Function by using its name & listing constants	else{takes a different action}

6 Steps of Booting a System

1.) BIOS (Basic Input/Output System) is load

2.) Power-on self test (POST) is completed

3.) OS is loaded

4.) System Configuration is accomplished

5.) System utilities are loaded

6.) User is authenticated

Memory Bank

RAM (Random Access Memory)
*Volatile
*Temporarily stores data & instructions for CPU
Cache Memory
*Small unit of ultrafast memory built into or near the processor
*Stores frequently or recently access info
*3 Lvls. = L1 (primary), L2 (secondary), L3
ROM (Read-only Memory)
*Nonvolatile
*BIOS - 1st code when compy is powered on
*CMOS - Starts the power-on self-test
POST - checks circuitry & RAM
Bootstrap Loader - locates & loads OS into RAM

HTML Basics

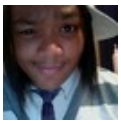
<h_> </h_>	Heading (h1-h6)
	bold
	Create a link
<img src="fi-lename.jpg">	Show an Image
list</l-i>	Unordered, bullet-point list
list</l-i>	Ordered List
<table></tab-le>	Define a Table
<tr></tr>	Table Row within table
<th></th>	header cell within table row
<td></td>	Table cell within table row

3 Ways to Insert CSS

1.) External Style Sheet - link to style sheet in the HTML file.

2.) Internal Style Sheet - put in the HTML file; put the style section in the header section.

3.) Inline Styles - Add the style formatting in the desired line by "style=".



By **JMR**
cheatography.com/jmr/

Published 1st May, 2017.
Last updated 1st May, 2017.