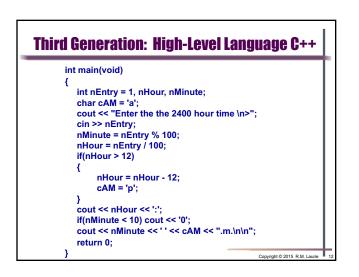
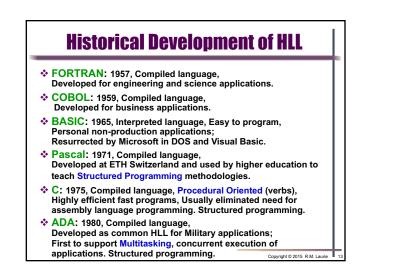
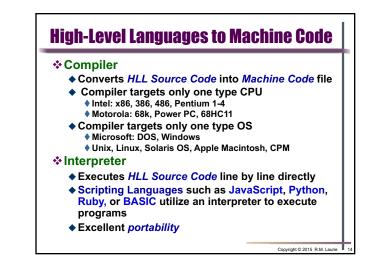


Assembly Program is assembled to machine code by Assembler					
Address	Instructions	Data	Assembly	/ Language Program	
D000	86	12	LDA	#\$12	
D002	8B	0C	ADDA	#\$0C	
D004	B7	D100	STA	\$D100	
D007	BB	D110	ADDA	\$D110	
D00A	B7	D101	STA	\$D101	
D00D	8B	1E	ADDA	#\$1E	
D00F	B7	D01B	всс	\$D019	
D012	86	00	LDA	#\$00	
D014	B7	D110	STA	\$D110	
D017	23	D007	BRA	\$D007	
D01A	3F		SWI	+=•••	

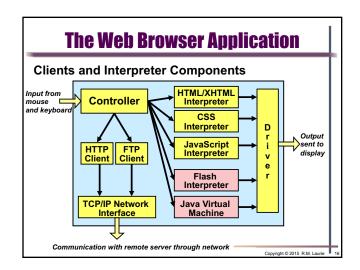
Lowest level programming language because it	0000 D000 86
represents data and program instructions as binary 0/1. Generally, hexadecimal is used for human interaction.	D000 36 D001 12 D002 8B D003 0C D004 B7 D005 D1 D006 00
 All programming languages are eventually converted into machine language. Will be run on only one type of CPU 	D007 BB D008 D1 D009 10 D00A B7 D00B D1 D00C 01







Historical Development of HLL ♦ C++: 1985, Compiled language, Added keywords to C so that could be used as an **Object Oriented Programming Janguage, OOP focuses** on object (nouns) rather then tasks (verbs). Java: 1993, Pseudo-Compiled language generates bytecode which runs on any Java Virtual Machine to achieve OS and CPU Independence; Developed as a simplified Object Oriented Programming language that supports Networks, Security, and Multithreaded for multitasking. * JavaScript: 1995, Interpreted language that utilizes interpreter in web browser: Object-based: Similar syntax to Java, C/C++; Very secure: Available for both client and server scripting. Utilizes HTML/XHTML and CSS for output. JavaScript is usually embedded in an html document. Copyright © 2015 R.M. Laurie



Copyright © 2015 R.M. Laurie