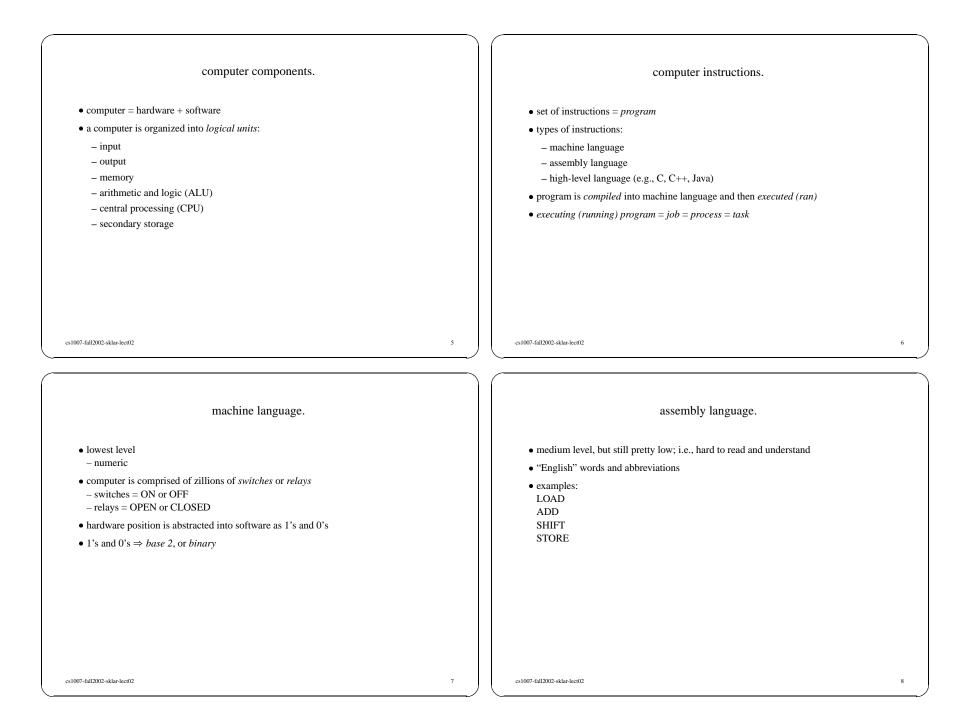
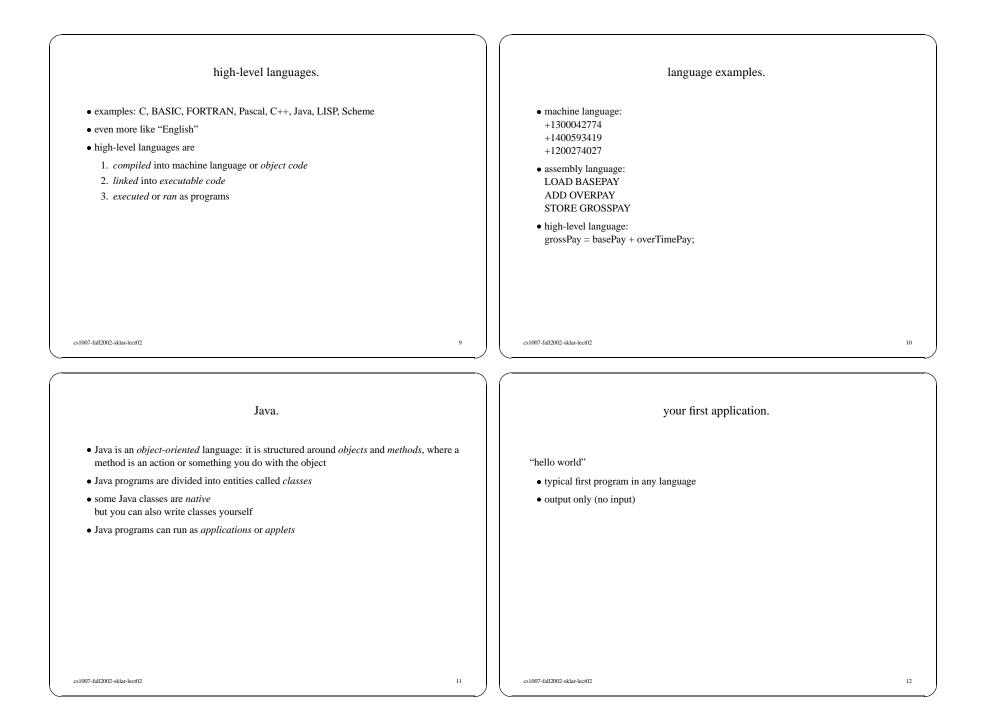
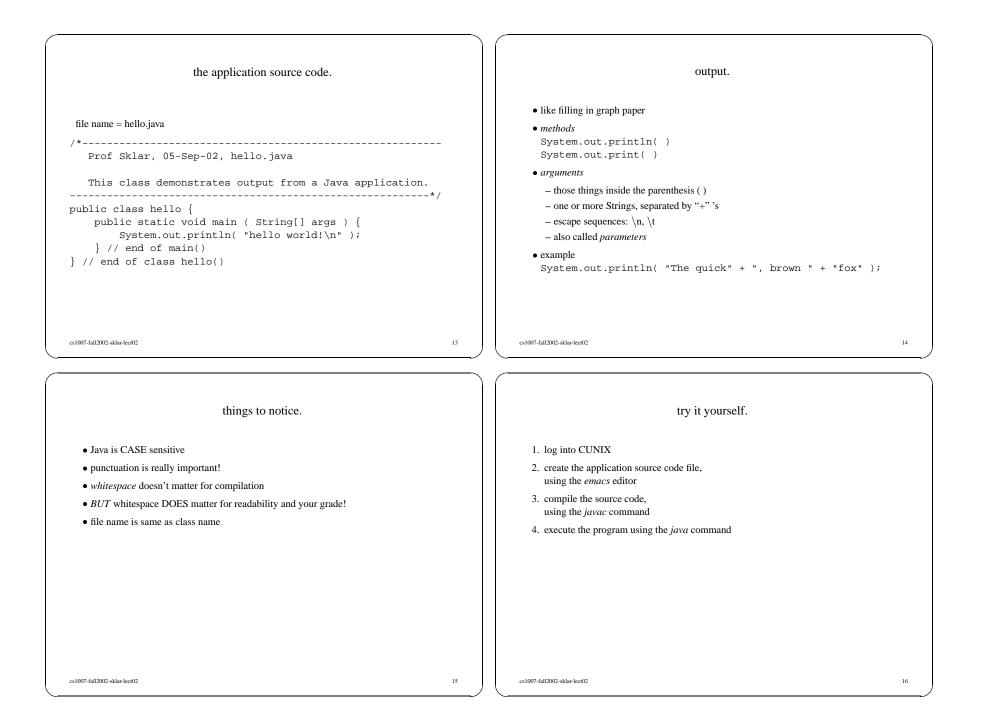
last time in cs1007	recitations.
 course objectives policies academic integrity resources WEB PAGE: http://www.columbia.edu/~cs1007 NOTE CHANGES IN ASSESSMENT — 5 EXTRA CREDIT POINTS ADDED 	 sign up for a recitation (sign up sheet circulating in class) day date time room recitation #1 Mon 9.00am - 10.00am 252 ET - Dali recitation #2 Mon 7.00pm - 8.00pm 407 Math - Steve recitation #3 Mon 8.00pm - 9.00pm 407 Math - Jonah recitation #4 Tue 7.00pm - 8.00pm 407 Math - Don recitation #5 Wed 12.00pm - 1.00pm 252 ET - Lyndon recitation #6 Thu 6.00pm - 7.00pm 407 Math - Min ET = Engineering Terrace starting next week (week of Sep 9) this is where you will get back your homeworks!!
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today's topics.	computer commands.
 computer basics creating your first program editing, compiling, linking, running output data types reading: <i>ch 1, ch 2.1-2.4</i> 	 computer follows commands commands = series of instructions you will learn how to command a computer command = program = write instructions you understand the commands, but does the computer? that's a question of cognition → Artificial Intelligence, Cognitive Science







quick and dirty UNIX.	quick and dirty <i>emacs</i> .
 UNIX is an operating system, <i>Linux</i> is a version of UNIX command-line interface commands have options, also called <i>switches</i> here are some commands: ls list the files in the current directory cp copy a file mv rename a file rm delete (remove) a file cd change directory pwd <lu> show the current directory </lu> man help chmod change file protections 	 at the UNIX prompt: unix> emacs hello.java emacs is a "control key" editor here are some commands: Ctrl-B move cursor back Ctrl-F move cursor forward Ctrl-P move cursor to previous line Ctrl-N move cursor to next line Ctrl-D delete character under cursor Ctrl-X Ctrl-S save the file Ctrl-H help ESC escape! gets you out of trouble!
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data types.	memory.
 programs = objects + methods objects = data data must be <i>stored</i> all storage is numeric (0's and 1's) 	 think of the computer's memory as a bunch of boxes inside each box, there is a number you give each box a name ⇒ defining a variable example: program code: computer's memory: int x; x → □
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wariables. • wriables have: • name: • up: • up: • allow • allow • allow • annow • allow • annow • allow • annow • annow • allow • allow • allow • annow • annow <th></th>	
$\begin{array}{c} - name \\ - type \\ - value \\ \bullet naming rules: \\ - names may contain letters and/or numbers \\ - but cannot begin with a number \\ - names may also contain underscore (.) and dollar sign ($) \\ - underscore is used frequently; dollar sign is not too common in Java \\ - can be of any length \\ - cannot use Java keywords \\ - Java is case-sensitive!! \\ \\ extor-futioue-state-teen2 \\ \end{array}$	
assignment. to do.	22
• = is the assignment operator• get the textbook, and read chapter 1 and $2.1 - 2.4$ • example:• sign up for a rectiationprogram code:computer's memory:int x; // declaration $x \rightarrow 19$ x = 19; // assignment• check out the class web page: http://www.columbia.edw~cs1007	
sl07-fall202-skir-ket02	24