Crowding		Course Organiza	tion I	Pandemic Consid	erations
se not to take this course ple the benefit of others (the a 6 September if you wish to avo Stanley will not hold us all, whi nline lectures. Lecture seating . Definitely not ideal, but we h hose of you who prefer in-pers	dd/drop deadline is 18 nid a fee). ch is why there are both is on a first-come-first- ope that after the first	ty details go there. Generating them. important, but it's reason see fit and <i>turn it in</i> ! You reasonable effort into it.	! Expect to learn a lot. Projects	tices mandated by the Un e wearing masks indoors ve the mask mandate; if	ans adhering to certain incon- niversity. , as well as staying home when anyone refuses, I can and will ture, and you'll all have to rely
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Welcome to CS61B	Į	Texts		Course Organiz	zation II
he rather extensive informations, labs, initial assignments, an all 2021 CS61B Piazza site. oday. In (or preferably befor account from https://inst.eed n remotely to one of the instru- eley.edu, where X is ashby.cs, c nomepage (https://inst.eecs.be l distribution site for assignmen uch else. I be recorded and screencast. able in the bCourses Media Gal	d the presemester sur- e) lab this week, get a cs.berkeley.edu/webacct. ctional servers lerby.cs, cedar.cs, cory.eecs, rkeley.edu/ cs61b/fa21) ts, lecture slides, course The recordings should	tions for exams (since we d	but might want to print out on't allow computers in tests). only) is <i>Head First Java</i> . It's	<i>environment:</i> diting, debugging, compile , I keep it simple: Ema	cs + gjdb + make + git, (doc- nd on-line). But we'll look at on top than to cram.
):18:45 2021	CS61B: Lecture #1 1	):18:45 2021	CS61B: Lecture #1 3	):18:45 2021	CS61B: Lecture #1 5

Programming, not Java	Acronyms of Wisdom	Commentary
rn programming, not Java (or Unix, or Windows, or) principles span many languages connections. +y vs. (+ x y)) is superficial. non, and Scheme have a lot in common. u use GUIs, text interfaces, or embedded systems, im- s are the same.	DBC RTFM	<pre>1 first program. N. Hilfinger */ lello { greeting. ARGS is ignored. */ tic void main(String[] args) { m.out.println("Hello, world!"); nts can either start with '//' and go to the end of the n Python), or they can extend over any number of lines, y '/*' and '*/'. he '//' comments, except for things that are supposed ed, and our style checks will flag them. multiline kind of comment includes those that start with re called documentation comments or doc comments. on comments are just comments, having no effect, but s interpret them as providing documentation for the ollow them. They're generally a good idea and our style</pre>
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<b>Academic Dishonesty</b> cidence of academic dishonesty seems to have increased rs. t, this is our fault: the mimimum GPA threshold policy	For next time Chapter 1 of <i>Head First Java</i> , plus §1.1-1.9 of the on-line <i>Reference</i> , available on the class website. erview of most of Java's features.	uick Tour through the First Program ould write al first program p, world")
y, me to can be under a lot of stress, s, we can't afford to tolerate cheating. The Course Info purse homepage contains our policy on cheating and the impose; please read them. p with the course and starting assignments early, you ny perceived need to cheat. purse is not curved, so you are not disadvantaged by 's dishonesty.	poking at examples on Friday. mber the questions that come up when you read some- ign: vs? We might have made a mistake. to ask at the start of lectures, by email, or by Piazza.	<pre>al first program. N. Hilfinger */ lello { greeting. ARGS is ignored. */ ttic void main(String[] args) { m.out.println("Hello, world!");</pre>
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Methods (Functions)	Access	
<pre>1 first program. N. Hilfinger */ Wello { greeting. ARGS is ignored. */ tic void main(String[] args) { m.out.println("Hello, world!");</pre>	<pre>1 first program. N. Hilfinger */ Wello { greeting. ARGS is ignored. */ tic void main(String[] args) { N.out.println("Hello, world!");</pre>	
aders in Java contain more information than those in y specify the types of values returned by the function parameters to the functions. oid has no possible values; the main function here re- g. The type String is like Python's str. The trailing '[]' of. Arrays are like Python lists, except that their size created.	ed entity in Java has <i>access permissions</i> indicating what de may mention it. , <i>public</i> classes, methods, and variables may be referred else in the program. es refer to them as <i>exported</i> from their class (for varialbles) or package (for classes).	
takes a list of strings and returns nothing.		
med "main" and defined like the example about are spe- re what get called when one runs a Java program (in nain function is essentially anonymous).	):18:45 2021 C561B: Lecture #1 16	
Classes	Selection	Access
<pre>l first program. N. Hilfinger */ ello { greeting. ARGS is ignored. */ tic void main(String[] args) { m.out.println("Hello, world!");</pre>	<pre>1 first program. N. Hilfinger */ Wello { greeting. ARGS is ignored. */ tic void main(String[] args) { .out.println("Hello, world!");</pre>	<pre>il first program. N. Hilfinger */ Wello { greeting. ARGS is ignored. */ tic void main(String[] args) { .out.println("Hello, world!");</pre>
on and variable in Java is contained in some <i>class.</i> ke Python's classes, but with (of course) numerous dif- letail. n turn, belong to some <i>package</i> . The Hello class belongs <i>mous package</i> . ned packages later,	E.N means "the thing named N that is in or that applies identified (or computed) by E." n.out" means "the variable named 'out' that is found in ned 'System'." stem.out.println" means "the method named 'println' to the object referenced by the value of variable 'System.out'."	ods and variables are "one-of" things. hod is just like an ordinary Python function (outside of a function in a Python class that is annotated @staticmethod. iable is like a Python variable defined outside of any riable selected from a class, as opposed to from a class ples are local variables (in functions) or instance vari- ses), and these are as in Python.
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