iCarnegie Java Code Conventions C	uick Reference	http://java.sun.com/docs/codeconv/
Indentation	Implementation comments	Naming conventions
 Use four spaces as the unit of indentation. Use tabs or spaces to indent, not a mixture of the two. (Exception: A mixture can be used when wrapping lines). Do not indent top-level classes and interfaces. Indent variables, methods, and named inner classes one level. Indent the body of a method one level. Braces for methods, classes, and interfaces Put opening brace on same line as declaration. Put closing brace on new line and indent it to the level of the matching declaration. 	 Do not add comments that state the obvious. A blank line should precede a comment. Minimize the need for comments by making the code self-documenting with appropriate name choices and an explicit logical structure. Comments should provide additional information that is not readily apparent in the code itself. Comments that present an overview of a code block can be useful. single-line comment * single-line comment */ * block comment 	 Names should be words or word phrases. Keep names short but descriptive. Avoid abbreviations. Classes and interfaces: Use nouns, in mixed case with first letter of each word capitalized.
class Example { private void doTask() {	*/ statement; // trailing comment Javadoc comments:	Blank lines Use one blank line: 1. Before a comment
<pre>statements; } </pre>	 Use to document classes, interfaces, methods, and variables (with class-scope). Should describe the entity being documented from an <i>implementation-free</i> perspective. 	 Between methods After a method header
Miscellaneous	/**	logically-related statements are grouped
 Avoid lines longer than 80 characters. One statement per line. One declaration per line. 	* Javadoc comment */ /** Javadoc comment */	Spaces Use a space:
4. Initialize variables when they are declared except when the initial value is unknown.	Wrapping lines	 Between a keyword and a left parenthesis After commas in argument and parameter lists
 If a control structure—like an if-statement or a for-loop—contains a single statement, the single statement should be enclosed in braces. Use the class name, not a reference, to access static methods and variables. Use parenthesis to clarify the order of evaluation in complex expressions. Avoid coding literal constants directly. Use a well-named symbolic constant instead. (Exception: 0, 1, and –1 are acceptable.) 	 When a statement will not fit on a single line: 1. Break after a comma 2. Break <i>before</i> a binary operator 3. Prefer high-level breaks to low-level breaks 4. Align new line with beginning of expression (or argument list) on previous line: 	 After commas in argument and parameter nats To separate a binary operator from its operands (see exception below) To separate a ternary operator from its operands. Between initialization, expression, and update parts of a for-loop After a cast Do <i>not</i> use a space: Between the dot operator (.) and its operands Between a unary operator and its operand Between a method name and a left parenthesis

indent 8 spaces (2 tabs) instead.	
while statements	switch statements
	Use the following format:
while (<i>condition</i>) {	<pre>switch (condition) {</pre>
statements;	case ABC:
}	statements;
	/* falls through */
for statements	
Use the following format:	case DEF:
<pre>for (initialization; condition; update) {</pre>	statements;
statements;	break;
}	
Declare the loop control variable inside for-loop:	default:
for (int i = 0; i < size; ++i) {	statements;
statements;	break;
}	}
	1. Always include default case.
do-while statements	2. Use the comment line /* falls through
Use the following format:	*/ when the case label does not have
do {	a break statement.
statements;	
<pre>} while (condition);</pre>	try-catch blocks
	Use the following format:
if-else statements	try {
Use the following formats:	statements;
if (condition) {	<pre>} catch (ExceptionClass e) {</pre>
statements;	statements;
}	}
if (condition) {	
statements;	Line wrapping for if-statements
} else {	Use 8 space rule (2 tabs) when wrapping
statements;	an if-statement so body is easier to see:
v }	if ((a && b)
if (condition) {	(c && d)
statements;	(e && f)) {
} else if (condition) {	statements;
statements;	}
, } else {	-
statements;	
	<pre>while statements Use the following format: while (condition) { statements; } for statements Use the following format: for (initialization; condition; update) { statements; } Declare the loop control variable inside for-loop: for (int i = 0; i < size; ++i) { statements; } do-while statements Use the following format: do { statements; } while (condition); if-else statements Use the following formats: if (condition) { statements; } if (condition) { statements; } else { statements; } else if (condition) { statements; } else { statements; } } </pre>