

PSP - Java Coding Standard

Program Header	Java source files won't have any header before package declaration (because no license, trademark, corporate or copyright information will be placed there)
Class Comments	<ul style="list-style-type: none">- Class must be documented following JavaDoc standard and must be clearly defined what the class does or the responsibility that the class has in the program
Class Comments example	<pre>/** * Class Specific description * @author Name of the author * */</pre>
Method Comments	<ul style="list-style-type: none">- Referred as Java methods.- Must be documented following JavaDoc standard
Method Comments example	<pre>/** * Brief Method Description * @param The parameters list and a description of each * parameter (if any) * @return The return type and/or value (if not void). * @throws If an Exception is thrown by method (if needed) */</pre>
Identifiers	<ul style="list-style-type: none">- Referred as the method or variable name- Must follow the Java naming standards and must use CamelCase- Use descriptive names and avoid abbreviations.- Method declarations must be placed in one line at least to the first opening parenthesis.
Identifier Examples	<pre>int numberOfClauses (OK) String customerName (OK) int xy (No) String var_foo (No) public void aMethod(String param){ (OK) public void -> -> anotherMethod(){ (No)</pre>
Comments	<ul style="list-style-type: none">- Code must be documented briefly and in a concrete way to explain its behavior. Avoid over-comment inside methods or variables, unless needed because code complexity.- Comments must be placed in an independent line before the effective code (multiline and end-of-line comments)
Example	<pre>/*</pre>

	<pre> * Multiline OK Comment */ // End-Of-Line OK Comment int customerBalance = 0 //He's poor (Bad comment) </pre>
Blank spaces	<ul style="list-style-type: none"> - Programs must be accordingly spaced to avoid code to be seen as crowded. - At least one space must be set between Java elements (import and package statements, class, variable or method declarations)
Indenting	<ul style="list-style-type: none"> - Code must be indented after opening braces (next line) from the preceding level. - Open braces must be placed after function, method or class declaration. - Closing braces must be aligned with the line where piece of code (opening brace) was declared or open.
Indenting example	<pre> public void someMethod(){ if(someCondition == true){ doSomething(); } } </pre>
Capitalization	<ul style="list-style-type: none"> - Constants must be all in uppercase, separated by underscore sign (_) - All other identifiers must be CamelCase notation.
Capitalization Example	<pre> public static final String PI_CONSTANT_STRING = "Pi" </pre>

PSP Counting Standard

Count Type	Type	Comments
Physical / Logical	Logical	Only effective lines will be counted (no blanks or lines inside comments)
Statement Type	Included (Y/N)	Comments
Executable	Yes	
Non-Executable		
Declarations	Yes	
Compiler directives	Yes	Package and Import statements
Comments	No	
Blank lines	No	
Clarifications		Examples / Cases
Methods		Methods will be counted as one according to coding standard
Notes		
Note 1		Method Arguments can be splitted into more than one line.