* + 1. **Beginning Comments**

All source files of a project should have consistent format of beginning comments, which can contain information like class name, version information, date, copyright notice, modification logs, etc.

Here is a recommended example of beginning comments format:

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* Classname

\*

* Version information

\*

* Date

\*

* Copyright notice

\*

* Modification Logs:
* DATE 10-Aug-2003
* AUTHOR CuongDD
* DESCRIPTION Description of modification

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

* 1. ***Braces***

Open curly brace “{” of class/method declarations and other code blocks should be at the new line.

* + 1. **Single-Line Comments**

Short comments can appear on a single line indented to the level of the code that follows. If a comment can't be written in a single line, it should follow the block comment format [(see](#_bookmark23) [section 5.1.1).](#_bookmark23) A single-line comment should be preceded by a blank line only at the end of a block. Here's an example of a single-line comment in Java code

if (condition)

{

// Handle the condition.

...

}

* 1. ***Number Per Line***

Always use one declaration per line since it encourages commenting.

int level; // indentation level int size; // size of table

Do not put different types on the same line. Example:

int foo, fooarray[]; //WRONG!

* 1. ***Array Declaration***

Though Java supports two styles of array declarations, we should only follow one as following:

int anIntArray[]; // RECOMMENDED

int[] anIntArray; // AVOID

***7.5 Class and Interface Declarations***

When coding Java classes and interfaces, the following formatting rules should be followed:

 Opening bracket "{" Closing bracket "}" always appears on the new line.

class Sample extends Object

{

int ivar1;

int ivar2 ;

Sample(int i, int j)

{

ivar1 = i;

ivar2 = j;

}

int emptyMethod()

{

. ..

}

..

}

Methods are separated by a blank line

* 1. ***Return Statements***

A return statement with a value, avoid use parenthese. Example:

return value; //RECOMMENDED

return myDisk.size(); //AVOID

return (size ? size : defaultSize); //AVOID

* 1. ***if, if-else, if else-if else Statements***

The if-else class of statements should have the following form:

if (*condition*)

{

*statements*;

}

if (*condition*)

{

*statements*;

}

else

{

*statements*;

}

if (*condition*)

{

*statements*;

}

else if (*condition*) {

*statements*;

}

else

{

*statements*;

}

**Note:** if statements always use braces {}. Avoid the following error-prone form:

if (*condition*) //AVOID! THIS OMITS THE BRACES {}!

*statement*;

* 1. ***While Statements***

A while statement should have the following form:

while (*condition*)

{

*statements*;

}

An empty while statement should have the following form:

while (*condition*);

* + 1. **Special Comments**

Use ??? in a comment to flag something that is bogus but works.

Use PLEASE FIX to flag something that is bogus and broken.