

Coding Convention

Naming Convention

1. Each class name should begin with UPPER case letter
2. Each method name should begin with lower case letter with UPPER case letters as separators, for example: numBits()
3. Variable and parameter names should be named in the same way as method name.
4. Each constant should be named in all UPPER case letters.
5. Each identifier should be of length at least three except loop counters in a very simple statement.

Structure and Indentation Convention

1. Each { and } should reside on a different line, indentation should be increased after { and before }.

For example:

```
for (int cnt = 0; cnt < 10 cnt++)  
{  
    sum = sum + 1;  
}
```

2. There should be exactly one blank space between adjacent tokens on the same line.
3. Each statement should reside on a separate line.
4. Tab space is defined as 4 blank spaces.
5. Class variables are discouraged except constant definitions.
6. Constant definitions are encouraged and should be placed at the beginning part of each class definition.

Documentation

1. Documents should follow javadoc convention, which is available from Sun's website at: <http://java.sun.com/j2se/javadoc/writingdoccomments/index.html>.
2. Two types of documents are expected: inline comments, and descriptions of each module placed in front of each class and method definition.
3. Documents should be syntactically correct, and meaningful.