



# Java Coding Standard

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# 1 Introduction and Contents



## Related Documents

References to other style guidelines etc.







Example:

```
/**  
 * A class representing a window on the screen.
```

## 2.4 Class Variables

First declare `public` variables, then `protected` ones , then package level ones and then the `private` ones.

Use *javadoc* conventions to describe



## 2.7 Layout

- Indentation

Avoid the 'Tab' key; four spaces should be used as the unit of indentation.

Note:



- Put the



## 2.8



- All binary operators except '.' should be separated from their operands by

## 2.9 Wrapping Lines

When an expression does not fit on a single line, break it in order to make your code as













- Don't use generic exceptions, always try to as precise as possible when catching an exception

Rationale: Being precise will help you to master your code and to know exactly what you are doing. For instance, the following exception handling code reflects the work of





## 4.3 Variables

- Avoid unnecessary instance variable access and update methods. Write `get/set-style` methods only when they are intrinsic aspects of functionality. Always write these methods when coding an interface.

Rationale

ref 302880 TH









## 4.5 Technical points

-

- Embed casts in conditionals. For example:

```
C cx = null;  
  
if (x instanceof C) cx = (C) x;
```

- Prefer declaring arrays as `Type[] arrayName` rather than `Type arrayName[]`



And above all,

## 5 Code Examples

### 5.1 Example.java



```

/**
 * Holds the identifier for this URI
 */
private String _identifier;

/**
 * the URI reference to which this reference is relative
 */
private URIReference _baseURI;

/**
 * The URNNamespace for this URI
 *
 * @see URNNamespace
 */
private URNNamespace _namespace;

* Constructs a new URI reference from the given URL
*
* @param url The URL
*/
public URIReference(String url) {
    _identifier = url;
}

```



```
* identifier (namespace specific string).  
*  
* @return The resource identifier as a string  
*/  
public String getIdentifier() {  
    return _identifier;  
}
```

```

        ...
    } else {
        ...
    }

```

```

    case DEF:
        for (initialization; condition; update) {
            statements;
        }

```

```

    case XYZ:
        {
            ...

```

```

        break;

    default:
        statements;

```

```

    } //switch

    try {

```

```

        statements;
    } finally {
        statements;

```

```

    } //hashCode

```

```

    }

```

} / --



## 5.2 package.html





```
}  
}
```



## 6 Related Documents

For some others standards and style guides, see:

- The JavaDoc Conventions:  
<http://java.sun.com/products/jdk/javadoc/writingdoccomments/index.html>
- Javasoft Coding Standard (the present document uses some sections of it)  
<http://java.sun.com/docs/codeconv/html/CodeConvTOC.doc.html>