

# Using Refactoring Techniques to Reduce Duplication in Object Oriented Programming Languages

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## Abstract

The Abstract paragraph should be indented 1/4 inch (2 pica) on both the left and right-hand margins. Abstract must be centered, bold, and in point size 12. Two line spaces precede the Abstract. The Abstract must be limited to one paragraph.

## 1 General Formatting Instructions

The format is in one column. The left margin is .9 inches (5.5 picas). Use 10 point type, with a vertical spacing of 11 points. Times Roman is the preferred typeface throughout.

Paper title is 16 point, Caps/lowercase, bold, centered. Subsequent pages should start at 1 inch (6 picas) from the top of the page.

Authors names are centered, initial caps; co-authors names, if used, are flush left and flush right.

Paragraphs are indented by 1 pica with no space between paragraphs.

## 2 First Level Heading

First level headings are all flush left, initial caps, bold and in point size 12. One line space before the first level heading and 1/2 line space after the first level heading.

### 2.1 Second Level Heading

Second level headings must be flush left, initial caps, bold and in point size 10. One line space before the

second level heading and 1/2 line space after the second level heading.

#### 2.1.1 Third Level Heading

Third level headings must be flush left, initial caps and bold. One line space before the third level heading and 1/2 line space after the third level heading.

#### Fourth Level Heading

Fourth level headings must be flush left, initial caps and roman type. One line space before the fourth level heading and 1/2 line space after the fourth level heading.

## 2.2 Citations In Text

Citations within the text should indicate the author's last name and year[?]. Reference style[?] should follow the style that you are used to using, as long as the citation style is consistent.

### 2.2.1 Footnotes

Indicate footnotes with a number<sup>1</sup> in the text. Place the footnotes at the bottom of the page they appear on. Precede the footnote with a vertical rule of 2 inches (12 picas).

### 2.2.2 Figures

All artwork must be centered, neat, clean and legible. Do not use pencil or hand-drawn artwork. Figure number and caption always appear after the figure. Place one line space before the figure, one line space before the figure caption and one line space after the figure caption. The figure caption is initial caps and each figure is numbered consecutively.

Make sure that the figure caption does not get separated from the figure. Leave extra white space at the

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<sup>1</sup>This is a sample footnote

bottom of the page to avoid splitting the figure and figure caption.

Figure ?? shows how to include a figure as encapsulated postscript. The source of the figure is in file `fig1.eps`.

Below is another figure using LaTeX commands.

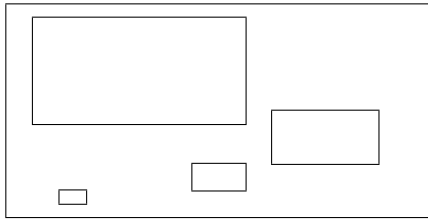


Figure 1: Sample Figure Caption

### 2.2.3 Tables

All tables must be centered, neat, clean and legible. Do not use pencil or hand-drawn tables. Table number and title always appear before the table.

One line space before the table title, one line space after the table title and one line space after the table. The table title must be initial caps and each table numbered consecutively.

Table 1: Sample Table

A	B	1
C	D	2
E	F	3

### 2.2.4 Handling References

Use a first level heading for the references. References follow the acknowledgements.

### 2.2.5 Acknowledgements

We would like to thank the Software Improvement Group (SIG) for their continuous support in this project.

## References

- [Com79] D. Comer. The ubiquitous b-tree. *Computing Surveys*, 11(2):121–137, June 1979.
- [Knu73] D. E. Knuth. *The Art of Computer Programming – Volume 3 / Sorting and Searching*. Addison-Wesley, 1973.