

# **Book Title**

## **Subtitle**

---

**First Author | Second Author**





BOOK TITLE IN CAPITAL

Copyright © YYYY AUTHOR 1, AUTHOR2 All rights reserved.

Published by PUBLISHER NAME.

**Technical Editor:** PERSON 1, PERSON 2 and so no...

**Copy Editors:** PERSON 1, PERSON 2 and so no...

Some copyrights text. This book should not be reproduced without permission.



# Contents

<b>Acknowledgements</b>	iii
<b>Foreword</b>	v
<b>1 Introduction</b>	1
<b>1.1 First Level Heading</b>	1
1.1.1 Second Level Heading	1
1.1.2 Footnotes	2
<b>2 Java Features</b>	3
<b>2.1 On the Popularity of Java: The Key Features</b>	3
2.1.1 Java as a Language, Runtime Environment, and Standard Library	3
<b>3 Java Code Blocks &amp; XML Code</b>	4
<b>3.1 First Java Code without Box</b>	4
3.1.1 Importing code from the file	4
<b>3.2 Java Code with Box</b>	5
<b>3.3 XML Code</b>	5
<b>4 Figures &amp; Tables</b>	6
<b>4.1 How to place figures in document?</b>	6
<b>4.2 Placing the Real Time Figure</b>	7
<b>4.3 How to place figures in document?</b>	7
<b>4.4 Table with optional argument - Customized width of 35%</b>	8
<b>4.5 Full width table</b>	9
<b>5 Boxes</b>	10
<b>5.1 Note Box</b>	10
5.1.1 Real time example of Note Box.	10
<b>5.2 Programming Tip Box</b>	10
5.2.1 Real time example of Programming Tip Box	10

5.3	Question Box	11
5.3.1	Real time example of Question Box	11
<b>6</b>	<b>Chapter Summary Guideines</b>	<b>12</b>
<hr/>		
6.1	How to add Chapter Summary?	12
<b>7</b>	<b>Indexing Guidelines</b>	<b>14</b>
<hr/>		
7.1	How to add index?	14
<b>Index</b>		<b>15</b>
<hr/>		

# Acknowledgments

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.





# Foreword

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.



# Chapter 1

## Introduction

### 1.1 First Level Heading

This text is in **bold**.

This text is in *Italic*.

This text is in ***Bold-Italic***.

This text is in Mono Fonts.

This text is in Serif Mode.

#### 1.1.1 Second Level Heading

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

#### Third Level Heading

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

## Fourth Level Heading

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

### 1.1.2 Footnotes

This is the text<sup>1</sup> with footnotes. This is the text<sup>2</sup> with second footnote.

---

<sup>1</sup> Footnote text

<sup>2</sup> The second footnote

# Chapter 2

## Java Features

### 2.1 On the Popularity of Java: The Key Features

Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo. Morbi dui. Aliquam sagittis. Nunc placerat. Pellentesque tristique sodales est. Maecenas imperdiet lacinia velit. Cras non urna. Morbi eros pede, suscipit ac, varius vel, egestas non, eros. Praesent malesuada, diam id pretium elementum, eros sem dictum tortor, vel consetetuer odio sem sed wisi.

#### 2.1.1 Java as a Language, Runtime Environment, and Standard Library

Lorem ipsum dolor sit amet, consetetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consetetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

# Chapter 3

## Java Code Blocks & XML Code

### 3.1 First Java Code without Box

This is the dummy code environment without box.

```
// This is a single line comment
/**
This is Long Comment
This is Long Comment
*/

public class Example {
    public static void main(String[] args) {
        int x = 10; // Integer declaration
        int y = "My String"; // Another integer
        int result = x + y; // Variable 'result'
        print(result); // Print the result
    }
}
```

**Listing 3.1** My Caption for 1st Java Code

#### 3.1.1 Importing code from the file

The following code will import the Java code directly.

```
\lstinputlisting[
style = javacode,
caption ={Enter Captions here}
]
{filename.java}
```

## 3.2 Java Code with Box

Following is the Example Box for Code.

### Example

This is an example box with a description above the code. This is the text in Typewriter Fonts.

```
public class Example {
    public static void main(String[] args) {
        int x = 10; // Integer declaration
        int y = "My string"; // Another integer
        int result = x + y; // Variable 'result'
        print(result); // Print the result
    }
}
```

**Listing 3.2** My captions for Java Code in Box

## 3.3 XML Code

The procedure is the same. You just have to change style=javacode to style=xmlcode and you are ready to go.

```
<? This is comment ?>
<root>
  <tag attribute="value">Content</tag>
</root>
```

**Listing 3.3** First XML Code

# Chapter 4

## Figures & Tables

### 4.1 How to place figures in document?

This section will guide you on how one can import graphics to a  $\text{\LaTeX}$  document. Use the following code.

```
\begin{figure}[H]
\includegraphics[width = 1.0\textwidth]{Figures/figure1}
\caption{Enter captions here}
\label{fig1}
\end{figure}
```

You can change `width = 1.0\textwidth` to any number from 0.01 to 1.00 depending on the size.

Furthermore, you can also edit float specifier [H] directly after `\begin{figure}` to:

- `h` : Place the float *here*, i.e., approximately at the same point it occurs in the source text (however, not exactly at the spot)
- `t` : Position at the *top* of the page.
- `b` : Position at the *bottom* of the page.
- `p` : Put on a special *page* for floats only.
- `!` : Override internal parameters  $\text{\LaTeX}$  uses for determining "good" float positions.
- `H` : Places the float at precisely the location in the  $\text{\LaTeX}$  code. It requires `float` package which is already been called.



## 4.2 Placing the Real Time Figure



**Figure 4.1** Figure Captions

## 4.3 How to place figures in document?

This section will guide you on how one can import graphics to a  $\text{\LaTeX}$  document. Use the following code.

```
\begin{table}[H]
\begin{mytable}[0.35]{|l|+c|+c|}
{Setter 1} & {Getter 2} & {Wither 3} \\
\hline
\rowcol   & \textit{Type} 1 & Value 2 & Value 3 \\
\hline
\rowcol   & Value 4 & Value 5 & Value 6 \\
\hline
\rowcol   & Value 7 & Value 8 & Value 9 \\
\hline
\end{mytable}

\caption{Type Caption}
\label{tab1}
\end{table}
```

We can see that the environment `mytable` has two arguments:

- First one in the `[ ]` is optional. It determines the width of the table. You can choose any value between 0.01 to 1.00.

You can also skip this optional argument and just write the following code:

```

\begin{table}[H]
\begin{mytable}{|l|+c|+c|}

% Table contents here...

\end{mytable}

\caption{Type Caption}
\label{tab1}
\end{table}

```

- Second one specifies the columns. One must use = before the first column specifier, and + with the rest of specifiers.

Furthermore, you can also edit float specifier [H] directly after \begin{table} to:

- h : Place the float *here*, i.e., approximately at the same point it occurs in the source text (however, not exactly at the spot)
- t : Position at the *top* of the page.
- b : Position at the *bottom* of the page.
- p : Put on a special *page* for floats only.
- ! : Override internal parameters LaTeX uses for determining "good" float positions.
- H : Places the float at precisely the location in the LaTeX code. It requires float package which is already been called.

## 4.4 Table with optional argument - Customized width of 35%

The following table has been created by passing 0.35 as an optional argument. The width of table will be 35% of the text width.

Setter 1	Getter 2	Wither 3
Type 1	Value 2	Value 3
Value 4	Value 5	Value 6
Value 7	Value 8	Value 9

**Table 4.1** Caption

## 4.5 Full width table

The following table has been created by ignoring the optional argument. The width of table in this case will be equal to the text width.

Setter 1	Getter 2	Wither 3	Wither 4	Wither 5	Wither 6	Wither 7	Wither 8
Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8
Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8
Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8

**Table 4.2** Caption

# Chapter 5

## Boxes

This chapter deals with the following type of boxes.

- Note box.
- Programming tip box.
- Question box.

### 5.1 Note Box

To create the Note box, you have to type the following command.

```
\NoteBox{ Title } { Content of note box. }
```

#### 5.1.1 Real time example of Note Box.



**Note: Note Title**

As you define additional methods for the class `ArrayBag`, you should test them. While you could focus only on these additional methods, you really should form a test program incrementally. In this way, you test all of the methods you have defined so far. By using a small value for the constant `DEFAULT_CAPACITY`, you easily can test what happens when a bag becomes full.

### 5.2 Programming Tip Box

To create the Note box, you have to type the following command.

```
\TipBox{ Title } { Content of note box. }
```

#### 5.2.1 Real time example of Programming Tip Box



### **Programming Tip: Should the method `getIndexOf` be public or private?**

You might think that the method `getIndexOf`, since it returns the index of an entry in the array `items`, would be useful to a client. While that might be true, there are important reasons why the method should be private. We declared the array `items` as private because it is detail of our array-based implementation. The client cannot access the entries in this array without invoking a public method of our class. The indices of these entries are also implementation details that are of no use to the client because it cannot access the array items by name. Any method that returns an index to a private array should be declared as private.

## 5.3 Question Box

To create the Note box, you have to type the following command.

```
\QuestionBox{ Content }
```

### 5.3.1 Real time example of Question Box



**Question 1** Revise the definition of the method `contains` so that it calls the method `getIndexOf`.

**Question 2** Should we revise the specification of the method `contains` so that if it locates a given entry within the bag, it returns the index of that entry?

**Question 3** Revise the definition of the method `getIndexOf` so that it does not use a boolean variable.

# Chapter 6

## Chapter Summary Guideines

In this chapter, you will be able to learn about the creating chapter summary.

### 6.1 How to add Chapter Summary?

Use the following code to add the Chapter Summary.

```
\begin{ChapterSummary}  
  \item Summary item 1  
  \item Summary item 2  
  \item Summary item 3  
\end{ChapterSummary}
```

By default, the Summary page will begin from new page.

# SUMMARY

1. Summary item 1
2. Summary item 2
3. Summary item 3
  - a. Summary item 3a
  - b. Summary item 3b
  - c. Summary item 3c

# Chapter 7

## Indexing Guidelines

This chapter will tell you how to add index term at the end. Consider the paragraph below:

“Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin semper odio a velit hendrerit, sed bibendum enim euismod. Fusce auctor leo vel turpis feugiat, sed congue leo rhoncus.”

### 7.1 How to add index?

Now suppose, you want to add the word **consectetur** in the index at the end.

You just have to include the following command:

```
\index{consectetur}
```

just after the word **consectetur**.

Here is an example:

```
``This is command to add index of consectetur \index{consectetur}.''
```

“This is command to add index of consectetur .”

Now check the Index page at the end, you’ll see the word **consectetur**.



# Index

## B

---

bold ..... 1

## C

---

consectetur ..... 14