JAVA PROGRAMMING
LAB MANUAL

Editors
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# TABLE OF CONTENTS

Dedication .................................................. v
Preface ...................................................... xi
Acknowledgement .......................................... xiii

**Chapter 1: Introduction to Java** .................................................. 15
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 2: Compiling and Executing Java Code** .................................. 21
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 3: Introduction to Data Types in Java** .................................... 27
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 4: Arithmetic and Relational Operators** ................................... 33
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 5: Relational and Logical Operators** ....................................... 39
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 6: Bitwise Operators and Type Casting** .................................... 45
- Asadullah Shaikh ..........................................
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 7: Conditional Statements** ................................................ 51
- Asadullah Shaikh ..........................................
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 8: If-Else Statements** ..................................................... 55
- Asadullah Shaikh ..........................................
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................

**Chapter 9: The If-Else-If Statements** ............................................ 61
- Asadullah Shaikh ..........................................
- Zeeshan Bhatti ..............................................
- Asadullah Shah ...........................................
Chapter 10: Switch Statement
  - Asadullah Shaikh
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 11: Loops
  - Agha Javed Phatan
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 12: Do-While Loops
  - Agha Javed Phatan
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 13: For Loops
  - Agha Javed Phatan
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 14: Loop Pitfalls and Exercise
  - Agha Javed Phatan
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 15: Nested Loops
  - Agha Javed Phatan
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 16: Arrays in Java
  - Waseem Javaid Soomro
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 17: Two Dimensional Arrays
  - Waseem Javaid Soomro
  - Zeeshan Bhatti
  - Asadullah Shah

Chapter 18: Strings
  - Waseem Javaid Soomro
  - Zeeshan Bhatti
  - Asadullah Shah
Chapter 19: Methods of String Class
- Waseem Javaid Soomro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 20: Object and Classes
- Waseem Javaid Soomro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 21: Constructors
- Dil Nawaz Hakro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 22: User defined Methods
- Dil Nawaz Hakro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 23: Arguments Passing
- Dil Nawaz Hakro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 24: Return Statement
- Dil Nawaz Hakro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 25: Working with Classes
- Dil Nawaz Hakro
- Zeeshan Bhatti
- Asadullah Shah

Chapter 26: Multiple Classes
- Muniba Shaikh
- Zeeshan Bhatti
- Asadullah Shah

Chapter 27: Method Overloading and Overriding
- Muniba Shaikh
- Zeeshan Bhatti
- Asadullah Shah
<table>
<thead>
<tr>
<th>Chapter 28: Modifiers for class data</th>
<th>191</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Muniba Shaikh</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 29: Inner Classes</th>
<th>199</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Muniba Shaikh</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 30: Comparison between different class types</th>
<th>207</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Muniba Shaikh</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 31: Exception Handling</th>
<th>215</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Kamran Khowaja</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 32: Throw &amp; Throws Keyword</th>
<th>223</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Kamran Khowaja</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 33: Local Block and Static Block</th>
<th>231</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Kamran Khowaja</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 34: Abstract Classes</th>
<th>237</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Dini Oktarina Dwi</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 35: Interfaces</th>
<th>245</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Dini Oktarina Dwi</td>
<td></td>
</tr>
<tr>
<td>- Zeeshan Bhatti</td>
<td></td>
</tr>
<tr>
<td>- Asadullah Shah</td>
<td></td>
</tr>
</tbody>
</table>
Chapter 1

Introduction to Java

Zeeshan Bhatti, Asadullah Shah

Abstract

Introduced in 1995, Java immediately took the Internet world by storm. The addition of APIs in Java language for the support of database access, remote objects, an object component model, internationalization, printing, encryption, digital signatures, and many other technologies, has taken the Java language to take the rest of the programming world by storm. In this chapter the fundamentals of Java programming are discussed, how and where to write Java code and the steps needed to compile and run a successful Java program.

1.1 Introduction to Java

The basic background history of Java language is:

- Developed by James Gosling at Sun Microsystems.
- Initially named as OAK, 1995 renamed from OAK to JAVA.
- Java is one the fastest growing programming technologies of all time.
- Java is actually more than a computer language; it's also a programming environment that includes a complete set of programming tools.

1.2 Byte-code [1]

When a Java code is compiled it is translated into an intermediate language called bytecode. Few properties of byte code are as follows:

- Bytecode is the same no matter which computer platform it is run on.