DURGA Software Solutions ®

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Courses Offered: RE JAVA » **AJAX** » **Adv. Java** » **XML** » **STRUTS** » **Web services** » **SPRING** » **HIBER**

CORE JAVA

Faculty: Mr. Nagoor Babu Sir & Mr. Satish

Duration: 2 Months (Daily one and half hour)
        30 days (Fast Track) (Daily Three hours)

Fee: 1000 INR

Syllabus:

I. Introduction

1. Why Java
2. Paradigms
3. Diff b/w Java & Other (C,C++)
4. Java history
5. Java features
6. Java programming format
7. Java Tokens
8. Java Statements
9. Java Data Types
10. Typecasting
11. Arrays

II. OOPS

1. Introduction
2. Class
3. Object
4. Static Keywords
5. Constructors
6. This Key Word
7. Inheritance
8. Super Key Word
9. Polymorphism (Over Loading & Over Riding)
10. Abstraction
11. Encapsulation
12. Abstract Classes
13. Interfaces

III. STRING MANIPULATIONS

1. String
2. String Buffer
3. String Tokenizer

IV. PACKAGES

1. Introduction to all predefined packages
2. User Defined Packages
3. Access Specifiers

V. EXCEPTION HANDLING

1. Introduction
2. Pre Defined Exceptions
3. Try-Catch-Finally

VII. I/O STREAMS

1. Introduction
2. Byte-oriented streams
3. Character – oriented streams
4. File
5. Random-access file
6. Serialization

VIII. NETWORKING

1. Introduction
2. Socket, Server socket
3. Client –Server Communication

IX. WRAPPERCLASSES

1. Introduction
2. Byte, Short, Integer, Long, Float, Double, Character, Boolean classes.

X. COLLECTION FRAME WORK

1. Introduction
2. Util Package interfaces, List, Set, Map
3. List interface 7 its classes
4. Set interface & its classes
5. Map interface & its classes

XI.INNER CLASSES

1. Introduction
2. Member inner class
3. Static inner class
4. Local inner class
5. Anonymous inner class

XII. AWT

1. Introduction
2. Components
3. Event-Delegation-Model
4. Listeners
5. Layouts
6. Individual components Lable, Button, CheckBox, Radio Button.
7. Choice, List, Menu, Text Field, Text Area

4. Throws, throw
5. User Defined Exception examples

VI. MULTITHREADING

1. Thread Creations
2. Thread Life Cycle
3. Life Cycle Methods
4. Synchronization
5. Wait() notify() notify all() methods

XV. SWING(JFC)

1. Introduction Diff b/w awt and swing
2. Components hierarchy
3. Panes
4. Individual Swings components Jlabel
5. JButton, JTextField, JTextAres.