

LansA Informatics Pvt Ltd



COREJAVA

SYLLABUS BOOK

Get trained from Industry experts and enhance your Future

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ABOUT CORE JAVA COURSE SCOPE:

JAVA based business programs perform well because constant JAVA requirements help designers to create multilevel programs with a component centered approach.

JAVA growth allows secure and top rated application growth on several systems. Many companies in India have well-qualified application technicians having skills in Java, J2EE, JSP, and J2ME, JAVA Programming Solutions help your businesses to do better. Many companies recruit fresh candidates as trainees in CORE JAVA and later on student's knowledge will be enhanced.

PROGRAM EDGES:

- ❖ Our training segments are completely designed according to current IT market.
- ❖ Student will go through the coaching of OOPs concept and DBMS, RDBMS ideas as free of charge package before starting of Java Training.
- ❖ We offer regular, speed up and end of the week coaching in Java training.
- ❖ Our major concern is to offer java technology coaching to you so that you can be wiser and create effective programs and programs more quickly using any system – such as Oracle's program server and web facilities software.
- ❖ After finishing java training, students can easily create and set up your own real-time java program.
- ❖ Study material is provided with the course which includes ideas, illustrations and real-time illustrations.

CORE JAVA SYLLABUS

MODULE 1: INTRODUCTION TO JAVA

- What is java?
- Object oriented programming
- Internet programming
- Platform Independency
- Internet Security
- C,C++ VS Java

MODULE 2: OOPS CONCEPTS AND THEIR IMPLEMENTATION IN JAVA

- OOPs concept , its properties and uses
- Defining methods and variables in java
- Class Member and instance members
- Java First Program
- Role of Constructor
- Use of Final Keywords
- Memory Management Using Garbage collector
- Overloading and Overriding
- Use of this and supper Keywords
- Inheritance
- Dynamic Binding and Static Binding
- Runtime Polymorphism and its Power
- Abstract class and Interfaces
- Inner / Nested classes and its uses

MODULE 3: PACKAGES

- Introduction of Package
- Programs related to Packages

- Scope of Access Modifiers

MODULE 4: EXCEPTION HANDLING

- Introduction of exception and Error
- Throwable class
- Try, catch and finally blocks
- Throw and throws Keywords
- Checked and Unchecked Exception
- User Define Exception

MODULE 5: MULTITHREADING

- What is Program, Process, Thread
- Multiprocessing, multithreading and Multitasking
- Use of sleep() and suspend Methods
- Integrated Thread Synchronization
- Use of wait(), notify() and notifyAll() Mwthods
- What Is the JDBC API?
- Driver Types
- Two-tier and Three-tier Models
- Connection Overview
- Statement Overview
- Sending Batch Updates
- ResultSet Overview
- Concurrency Types
- PreparedStatement Overview
- CallableStatement Overview

MODULE 6: STRING HANDLING

- String class
- StringBuffer class
- StringBuilder class
- StringTokenizer class

MODULE 7: APPLETS

- Getting Started With Applets
- Defining an Applet Subclass
- Life Cycle of an Applet
- Applet's Execution Environment
- Developing an Applet
- Deploying an Applet
- Deploying With the Applet Tag
- Doing More With Applets
- Displaying Short Status Strings

MODULE 8: WINDOWS

PROGRAMMING USING AWT AND SWING

- Learning Swing with the Net Beans IDE
- Using Swing Components
- Concurrency in Swing
- Using Other Swing Features
- Laying Out Components Within a Container
- Drag and Drop and Data Transfer
- Writing Event Listeners

MODULE 9: STREAM BASED I/O IN JAVA

- Introduction to Input Output
- Introduction and Implementation of Byte Stream

- Introduction and Implementation of Character Stream
- Introduction and Implementation of Buffered Stream
- Introduction and Implementation of Data Stream and Object Stream
- Introduction and Implementation of File I/O

MODULE 10: NETWORKING

- Introduction to Networking in Java
- What is TCP and UDP
- What is Socket and Port
- Implementation of Socket and InetAddress class
- URL in terms of Java Networking Programming
- Datagram in Network environment
- To retrieve the IP address from Host Name, vice-versa

MODULE 11:

- Serialization
- Generics
- Internationalization

MODULE 12: REMOTE METHOD INVOCATION (RMI)

- Introduction to RMI
- Writing an RMI Server
- Creating a RMI Client
- Compiling and Running Program

**AFTER GRADUATION??
WORRIED ABOUT FUTURE
JOIN US IMMEDIATELY!**



COME & **JOIN** **US**

CONTACT DETAILS

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