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**Professional
Diploma in Java
Business Application
Developer**



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**Come Join IIHT's Professional Diploma in
JAVA Business Application Developer Programme Today !**

- ✦ Java Platform is the most preferred Application Development Platform of choice
- ✦ Java is used in a wide Variety of computer platform from extremely low memory device to supercomputers
- ✦ Java is a pre-requisite for learning technologies such as Big Data, Hadoop, Android, Enterprise Grade Application, Mission Critical Application and more
- ✦ Java is now a 20 year old, mature programming languages and platform with nearly 10 million developers creating millions of application across the world
- ✦ Java 8 facilities improved development productivity through reduce code

Operating System

- ✧ Operating Systems Overview
- ✧ Multi-Tasking
- ✧ Threads
- ✧ Process Management
- ✧ Memory Management
- ✧ File Management

Object Oriented Concept

- ✧ Beginning with Object-Oriented concepts
- ✧ Classes & Objects
- ✧ Encapsulation and Abstraction
- ✧ Inheritance and Polymorphism
- ✧ Basic Hands-on Activity

Program Fundamentals

- ✧ Algorithm & Data structures
- ✧ Selection and Control Structures
- ✧ Arrays and Strings
- ✧ Functions
- ✧ Files Handling

Core Java

Core Java

- ✧ Overview
- ✧ What is Java?
- ✧ Why Java?
- ✧ How Java Works?
- ✧ Importance of Java References

History and Evolution of Java Platform

- ✧ Pre-history
- ✧ Evolution and Growth of Java
- ✧ Java 1.0 -Java SE8
- ✧ Future Releases of Java

Hello, World!

- ✧ System Requirements
- ✧ Setting up the System

Object Orientation in Java

- ✧ What are Objects?
- ✧ What is Object Orientation?
- ✧ What are Classes?
- ✧ Structure of Classes in Java
- ✧ Application
- ✧ Java Documentation

Java Classes and Objects

- ✧ Access Modifiers
- ✧ Inheritance in Java
- ✧ Polymorphism in Java
- ✧ The Object Class and it's Methods
- ✧ The Wrapper Classes

Enumerations and Annotations

- ✧ Enumerations
- ✧ Annotations

Core Java Apls

- ✧ Core Java
- ✧ The java.lang Package
- ✧ The java.util Package
- ✧ The java.sql Package
- ✧ The java.time Package
- ✧ The java.rmi Package

Networking using Java

- ✧ Socket Networking
- ✧ URL Networking

Java Programming Fundamentals

- ✧ The Java Programming Paradigm
- ✧ Language Basics
- ✧ Primitive Data Types
- ✧ Reference Data Types
- ✧ Java Coding Conventions
- ✧ Java Documentation

Expressions and Control Flow

- ✧ Operators
- ✧ Control Flow

Arrays

- ✧ What are arrays in Java?
- ✧ How to declare and create arrays
- ✧ Array element initialization
- ✧ Multidimensional Arrays
- ✧ Copying Arrays

Errors, Exceptions and Assertions

- ✧ Throwable
- ✧ Error
- ✧ Exceptions
- ✧ Checked Exceptions
- ✧ Unchecked Exceptions
- ✧ Common Exceptions
- ✧ Declare or Handle Rule
- ✧ User Defined Exceptions
- ✧ Assertions

Swing Application Development

- ✧ Abstract Window Toolkit (AWT)
- ✧ Swing Application Development
- ✧ Handling GUI Events
- ✧ Introduction to Java FX
- ✧ Say Hello using Java FX

Java Input / Output

- ✧ Accessing Command Line Arguments
- ✧ System Properties
- ✧ Input / Output Stream Fundamentals
- ✧ Readers/Writers
- ✧ Node Streams
- ✧ Hierarchy of Input Stream/Output Stream Classes
- ✧ Hierarchy of Reader / Writer Classes
- ✧ Buffered Streams
- ✧ Chaining of Streams
- ✧ Serialization
- ✧ Console I/O
- ✧ File I/O

Job Role

- ✧ Core Java Developer
- ✧ Java Developer



Core Java



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