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**Advanced 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, Ardroid, 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

Advanced Java

Course Duration: 120 Hrs

introduction

- ✧ Growth and Proliferation of Java Platform
- ✧ Categorization of the Platform
- ✧ Concepts ,Utilities and frameworks for Advanced application development

Advanced Class Concepts

- ✧ Overloading
- ✧ Overriding
- ✧ Inner Classes
- ✧ Anonymous Classes

Multi Threaded Java Applications

- ✧ Java Thread Model
- ✧ Creating Threads and the Main Thread
- ✧ Creating Multiple Threads and running them
- ✧ Synchronization
- ✧ Communication among threads
- ✧ Playing with threads-Suspending, Resuming and Stopping

Generics

- ✧ What are Generics
- ✧ Why Generics
- ✧ Generic Classes and Methods
- ✧ Generic Interfaces
- ✧ Generic Class Hierarchies
- ✧ Restrictions in Generics

Lambda Expressions

- ✧ Introduction to Lambda Expressions
- ✧ Block Lambda Expressions
- ✧ Method and Constructor References

The Collections Framework

- ✧ Overview of Collections in Java
- ✧ Collection Interfaces
- ✧ Collection Classes
- ✧ Maps
- ✧ Comparators

Utilities In Java

- ✧ Scanner
- ✧ Formatter
- ✧ String Tokenizer
- ✧ Calendar, date and time
- ✧ Regular Expressions
- ✧ Timer
- ✧ Sub-packages in the Utilities

JavaBeans

- ✧ What are beans?
- ✧ Properties of JavaBeans
- ✧ JavaBeans and Patterns
- ✧ The JavaBean API

Connecting to the Databases- JDBC

- ✧ W Databases and their importance
- ✧ Types of Databases
- ✧ Creating Applications for creating, updating and modifying data in the Databases
- ✧ Types of JDBC Drivers

Job Role

- ✧ Advance Java Developer
- ✧ Java Developer

Web Java

Course Duration: 90 Hrs

Introduction

- ✧ Internet and World Wide Web
- ✧ Web Applications
- ✧ Web Modules

Servlets

- ✧ What are Servlets?
- ✧ Hello, World! Using Servlets
- ✧ Servlet Life cycle
- ✧ Creating and Configuring Servlets
- ✧ Servlet Methods and Designing them
- ✧ Servlet Filters
- ✧ Session Management
- ✧ Web Context

Java Programming Fundamentals

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

JSP Standard Tag Libraries

- ✧ What is JSTL
- ✧ Hello, World! Using JSTL
- ✧ Core Tag Libraries
- ✧ XML Tags
- ✧ Tag Libraries for L10N and 1118N
- ✧ SOL Tag Libraries
- ✧ JSTL Functions

Job Role

- ✧ Java Web Developer
- ✧ Java Developer

Custom Tags

- ✧ What are Custom Tags?
- ✧ Hello, World! Using Custom Tags
- ✧ Types of Tags
- ✧ Tags with Attributes
- ✧ Tags with Bodies
- ✧ Simple Tag Handlers

Introduction to JavaServer Faces Technology

- ✧ User Interface and JavaServer Faces Technology
- ✧ Hello, World! Using JSF

Web Services

- ✧ What are Web Services?
- ✧ Classification of Web Services
- ✧ RESTful Services and its importance in the
- ✧ Web context
- ✧ JAX-RS API for RESTful Web Services
- ✧ Creating RESTful Applications using JAX-RS

Securing Web Java Applications

- ✧ Importance of Security
- ✧ Characteristics of Application Security
- ✧ Declarative and Programmatic Security in WebJava





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