ENREDOBYTE TECHNOLOGIES

ENREDOBYTE
TECHNOLOGIES
Accelerating Next Gen Technologies

"TRAINING IS OUR PASSION EXCELLENCE IS OUR GOAL"

Courses Available:

JAVA

SCALA

PYTHON

BIG DATA

BLOCKCHAIN

QUANTUM COMPUTING

JAVA CORPORATE TRAINING

"EXPLORE YOUR FUTURE IN IT INDUSTRY"

Faculty: **BIJAY SIR**
(14+ Yrs of Exp in IT Industry)

Java Training Prerequisites:
Anyone from Any Stream Can Learn......

JAVA FULL SYLLABUS

Java Fundamentals

History of Java
Security Problems For Data on Internet
Types of Translators
Features of Java
Java Simple Program
Naming Conventions in Java
Operators in Java
Control Statements in Java
Accepting Input From Keyboard
HCGA -By Jvm
Access Specifiers in Java
Instance Variables Vs Static Variables
Methods in Java
Different Ways Of Creating Objects in Java
Array in Java
Type Casting in Java
Java Api Document
Static Block in Java
Final Keyword in Java
Java Programs

OOPS in Java

Class
Object
Abstraction
Encapsulation
Polymorphisim
Overloading Vs Overriding
Inheritance
Abstract Class Vs Interface
Super And This Keywords

Exception Handling

Exception Vs Error
Checked And Unchecked Exceptions
What Is Exception Handling
Try With Catch Block
Multiple Catch Block
Finally Block
Throw vs Throws Keywords
Exception Handling With Method Overriding
Custom Exception

String Manipulation

What Is String
String Comparision
Methods Of String Class
String Constant Pool(Scp)
String Buffer Class
String Builder Class
String Vs StringBuffer vs StringBuilder

Multi Threading in Java

What Is Thread
Multiprocessing Vs Multithreading
Thread Class Vs Runnable Interface
Real-Time Use Cases
Yield(),Sleep()& Join() Methods
Thread Priorities
Synchronization
Static Synchronization
Dead Lock
Thread Life Cycle
Daemon Threads

JAVA FULL SYLLABUS

Collection Framework

What Is Collection Framework
Array Vs Collection
Collection Interface
ArrayList And LinkedList And Vector
Hashset And Linked Hashset
SortedSet And Treeset
Enumuration Vs Iterator Vs List Iterator
Map Interface
Hashmap And LinkedHashmap
Treemap And Hashtable
Hashmap Vs Hashtable
Properties Class
Queue Interface
PriorityQueue

Java I/O Streams

Create A File
File Reader And File Writer
Bufferedreader And BufferedWriter Print Writer
InputStream Vs OutputStream
Reader Vs Writer
Zip And Unzip A File
DeflaterOutputStream Vs InflaterInputStream

Java AWT & Swing

Why Awt
Event Delegation Model
Awt Components
Listeners
Event Handling
Layout Managers
Jfc And Swing Api
Swing Components And Mvc
Components Hierarchy
Panes
AWT Vs Swing

Wrapper Classes & Cloning Process

Introduction To Wrapper Classes
All Wrapper Classes And Their Methods
Boxing,Unboxing,Autoboxing
What Is Cloning
Shallow Cloning Vs Deep Cloning

Inner Classes

Regular Classes
Static Nested Classes
Local Inner Classes
Anonymous Inner Classes

Garbge Collection

Introduction
Different Ways To Make An Object For Gc
Requesting Jvm To Run Gc
Finalization

Jvm Architecture

Class Loader Subsystem
Types Of Class Loaders
Memory Managment System In Jvm
Execution Engine
Java Native Interface

Generics

Introduction
Generic Classes
Generic Methods
Erasure

JAVA FULL SYLLABUS

Concurrent Collections

Why Concurrent Collections
Traditional Collection Vs Concurrent Collections
Concurrent Hashmap
CopyonwriteArraylist
CopyonwriteArrayset

Locks Concept

Why Locks
Synchronization Vs Locks
Lock Interface
Reentrant Lock Class

Multi Threading Enhancements

Thread Group
Threadlocal
Thread Pool
Executor Framework
Callable And Future
Runnable Vs Callable

Real-time Interview Programs and FAQS:

Course Highlights:

1. Both Online and Offline classes available.
2. Flexibility to reschedule your class.
3. Free Demo session.
4. Resume preparation & Real-time FAQs.
5. Real-time Scenarios explanation.
6. Software installation.

Duration

Normal Track ------- 6 Months
Fast Track ------- 4 Months

Contact Us