

Syllabus for Quick Java

Course Duration For Quick Java Training Course :

- 3 Weekends

Objective For Quick Java Training Course :

- Getting the student to be well trained in Java Programming skills for an easy entry in the IT Industry

Eligibility For Quick Java Training Course :

- BSc, BCS, BCA, BE, B.Tech, MSc, MCS, MCA, M.Tech



Syllabus

QUICK JAVA

Introduction

- What is Java?
- JDK Hierarchy
- Simple Java Program
- Naming Convention

Data Types & Variables

- Primitive Datatypes, Declarations, Variable Names
- Numeric Literals, Character Literals
- String formatting and Parsing
- String Literals
- Arrays
- Non-Primitive Datatypes
- The Dot Operator
- Type casting

Static Member

- static variable
- static block
- static method
- main method

Classes

- Interface, Abstract class
- Separating Interface and Implementation
- Defining Interfaces
- UML Interfaces and Realization
- Implementing and Extending Interfaces
- Runnable Threads
- Abstract Classes
- Annotation

Syllabus for Quick Java



Object Oriented Programming

- Introduction to Object-Oriented Programming
- JDK Hierarchy
- Simple Java Program
- Naming Convention

Data Types & Variables

- Primitive Datatypes, Declarations, Variable Names
- Classes and Objects
- Access Control
- Methods
- printf Format Strings
- StringBuilder and StringBuffer
- Methods and Messages
- toString

Packages

- The import Statement
- Static Imports
- CLASSPATH and Import
- Defining Packages
- Package Scope

Exception Handling

- Exceptions Overview
- Catching Exceptions
- The finally Block
- Exception Methods
- Declaring Exceptions
- Defining and Throwing Exceptions
- Errors and Runtime Exceptions
- Assertions

Collection Framework

- The Collections Framework
- The Set Interface
- Enumeration
- Set Implementation Classes
- The List Interface
- List Implementation Classes
- The Map Interface
- Map Implementation Classes
- Utility classes
- Generics
- Primitive wrapper classes

Introduction to Threads

- Non-Threaded Applications
- Threaded Applications
- Creating Threads
- Thread States
- Runnable Threadss
- Threaded Applications
- Coordinating Threads
- Interrupting Threads
- Runnable Interface , ThreadGroups

I/O Streams

- Input and Output
- Serialization and deserialization

Networking in Java

- Socket Programming
- URL Class
- URLConnecton Class
- HttpURLConnection
- InetAddress Class
- DatagramSocket Class