



Course Duration : 5 Day's

Trainer Details :

Venkatesh db 14+ years Coded 10 Lakhs lines of code .
Delivered 100+ corporate training
Project Consultant

Course Breakup :

Day 1:

Introduction

- Why Java
- Paradigms
- Diff B/W Java & Other (C,C++)
- Java History
- Java Features
- Java programming format
- Java Statements
- Java Data Types

OOPS (Object Oriented Programming & Systems)

- Introduction
- Classes
- Access Specifiers
- Abstraction
- Encapsulation
- Object
- Constructors
- This Key Word
- Inheritance
- Super Key Word

Design Thinking : 2 hour's

Write a real time problem from scratch level coding

Day 2:

- Interface
- Function Overloading
- Polymorphism (Over Loading & Over Riding)
- Abstract class
- Introduction to all predefined packages
- User Defined Packages



Logics :

if conditions

Loops – for

while and do while

STRING Manipulation

- String
- String Buffer

Array

- What is Array
- Single Dimensional Array
- Multi Dimensional Array
- Sorting of Arrays

Design Thinking : 2 hour's

Write a real time problem from scratch level coding

Day 3:

Exception Handling

- Introduction
- Pre Defined Exceptions
- Try-Catch-Finally
- Throws, throw
- User Defined Exception examples

I/O Streams

- Introduction
- Byte-oriented streams
- Character – oriented streams
- File

Multithreading

- Introduction
- Thread Creations
- Thread Life Cycle
- Life Cycle Methods
- Synchronization
- Wait() notify() notify all() methods



Design Thinking : 2 hour's

Write a real time problem from scratch level coding

Day 4:

Wrapper Classes

- Introduction
- Byte, Short, Integer, Long, Float, Double, Character
- Boolean classes

Inner Classes

- Introduction
- Member Inner Class
- Static Inner Class
- Local Inner Class
- Anonymous Inner Class

Collection Frame Work

- Introduction
- Generic Class Types.
- Util Package interfaces, List, Set, Map
- List Interface 7 Its Classes
- Set Interface & Its Classes
- Map Interface & Is Classes

Design Thinking : 2 hour's

Write a real time problem from scratch level coding

Day 5:

Package

Organizing Classes and Interfaces in Packages ,
Package as Access Protection ,
Defining Package ,
CLASSPATH Setting for Packages ,
Making JAR Files for Library
Packages Import and Static Import Naming Convention For Packages

Libraries



1. Different types of Library
2. File handling
3. Database

Design patterns

1. Singleton
2. Factory pattern

Logic's

Design Thinking : 5 hour's

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Organization specific product data coded using OOPS .
Product process customer