



Sachin Sir's

Bridging Gap Between Developed & Developing India !

Techno Comp Academy

An IT Training Institute

Branch : New Sangvi, Pune.

Contact : 9284293870

Course Content – Core Java (J2SE)

Part -1: Core Java Fundamentals

Introduction to Java

What is Java

What is a class

What is a Object

Why Language is said to be Object oriented Programming Language

Why Java is Object Oriented Programming Language

History of Java

About Java

Features of Java

Story of compiler, JVM, JIT and Interpreter

What is the role of interpreter in JVM??

What is JVM??

Where we can See JDK, JRE, JVM, javac in JAVA??

Decision Statements

1. if
2. if-else
3. else-if ladder
4. switch

Looping Controls

1. while
2. for
- 3.do-while
- 4.foreach loop
- 5.break and break with label
- 6.continue and continue with label

Arithmetic Operator

Relational Operator

Logical Operator

Bitwise Operator



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Part - 2 : Core Java Language Constructs

Introduction to Function
Understanding First Java Program
Command Line arguments
Input and Output
Data Types
Reference Data Type
Dynamic Memory Allocation, Heap Manager
Array and Arrays in Java

Class and Object
Data member
Member function/method
Encapsulation
Abstraction
Constructor
Finalized method
'this' object
Static variable and Static method
Variable number of parameters
Date & Time Processing in Java
final keyword – final variable, final method, final class
Garbage Collector
Inner Classes
String Type & Its Operations

Part - 3: Object Oriented Features

Inheritance
Types of inheritance
'public', 'protected', 'private' Access Modifiers in Java
Method overloading
Method Overriding
Polymorphism – Compile Time Polymorphism, Run time Polymorphism
Abstract class
Interface
Object Cloning



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Part - 4: Packages, Exception, Files and GUI Programming

Packages in Java
Exception Handling
File Handling
GUI Programming Using AWT & Swing

IDE

Eclipse IDE Configuration

Writing and Executing normal Java Program using Eclipse IDE
Writing and Executing Java Program with Package using Eclipse IDE

IntelliJ idea IDE Configuration

Writing and Executing normal Java Program using IntelliJ ideaIDE
Writing and Executing Java Program with Package using IntelliJ idea IDE

Course Completion Certificate

At the end of course you will get Techno Comp Academy's Course Completion Certificate.

Duration

3 Months

Mr. Sachin Dhane
Techno Comp Academy, Pune.

Online + Offline Training

www.technocompacademy.com