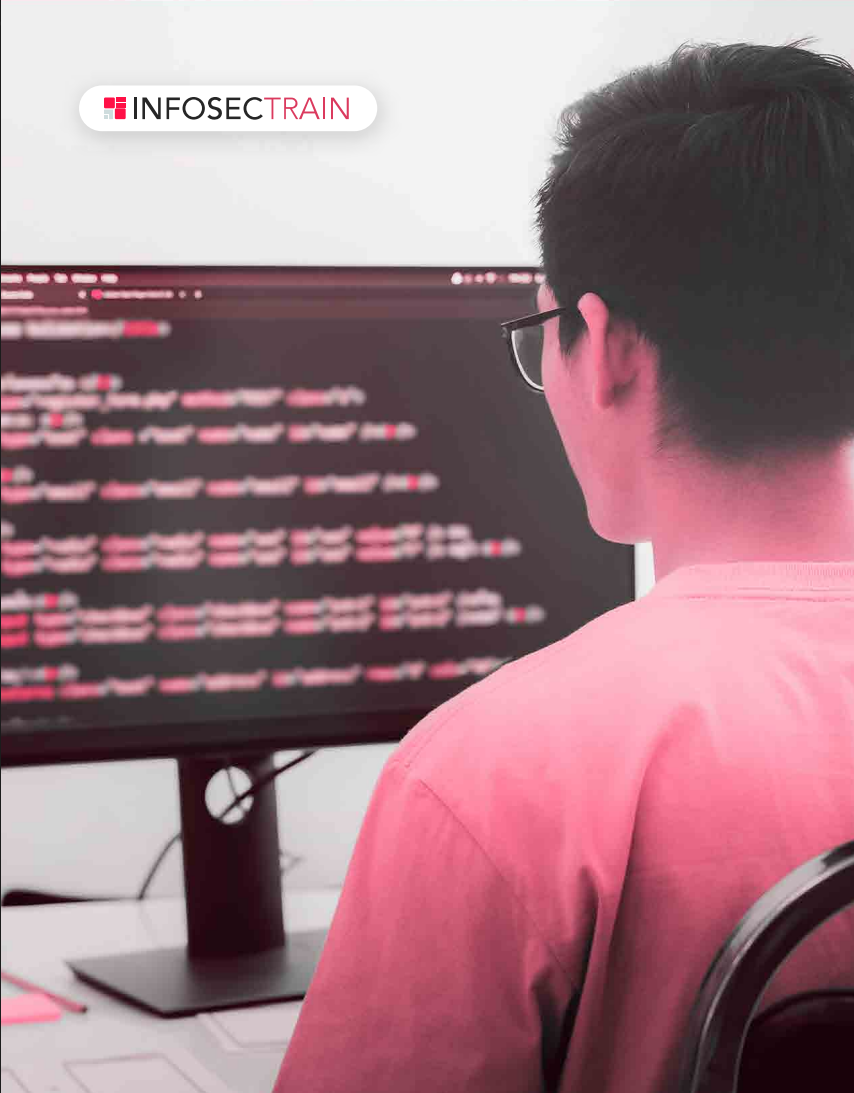


CORE JAVA

COURSE HIGHLIGHTS

- 40+ hours of instructor-led training
- Basics of Security and Good programming practices
- Practical Learning with logical problem solving
- Coding Exercise on Core Java



Overview

Core Java is a classical object-oriented programming language. Unlike C, it is platform-independent. The Java Virtual Machine (JVM) makes it possible to be platform-independent as it runs the same code irrespective of the hardware used. We provide training on securing your development process, where we make sure that your concept of security is comprehensible at the starting stage of the programming career. This training induces security to the application in application development, across all the phases of the entire Software Development Life Cycle. Java programming course provides functional and object-oriented programming concepts. This experience can be used in developing web applications and standalone applications. You can also develop platform-independent applications if you have absolute knowledge of the Java programming language.

Target Audience

- Students wanting to start a career in programming
- Beginners with Java
- Web Developers
- Software Developers
- Software Engineers

Pre-Requirement

- Three to six months working experience with any of the high-level programming language such as C or C++
- Prior knowledge of IDEs

Why Infosec Train?



Certified &
Experienced Instructor



Flexible Schedule



Access to the
recorded
sessions



Post Training
Support



Tailor Made Training



4 hrs/day in
Weekend/
Weekday

COURSE OBJECTIVE

- Introduction to Security
- Introduction to Core Java
- Programming Fundamentals
- Conditional and Looping Statements
- OOPS Concept and Basics
- String class
- Array
- Wrapper Classes
- Collections
- Exception Handling
- Introduction to Multi-Threading

Introduction and Installation

- Introduction to Security
- Importance of Security
- Development Model- SDLC and How we Implement Security in each stage of the Development Model
- Java + Eclipse or STS4
- Introduction to Programming Language
- Introduction to Core Java
- Difference between JDK, JRE, and JVM

Programming Fundamentals

- Data Types
- Difference between Primitive & Non-Primitive
- Data Types
- Variable Declaration & Initialization
- Type Casting
- Operators and their types

Conditional and Looping Statements

- If conditions
- If-Else conditions
- Nested If conditions
- Else-If Ladder conditions
- Switch-Case statements
- break and continue keywords
- Different forms of Loop
- While Loop
- Do-While Loop
- For Loop
- Nested Loop

OOPS Concept and Basics

- Classes and Objects
- Encapsulation
- Inheritance
- Polymorphism
- Abstraction
- Interface

String class

- Different Inbuild Methods

Array

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

Wrapper Classes

- Autoboxing
- Unboxing

Collections

- Array List
- Linked List
- Hash Set
- Tree Set
- Map

Exception Handling

- Exception and its types
- How to handle exceptions?
- Multiple catch blocks
- Finally block
- Difference between throw and throws
- Custom Exception

File Handling

- File Reader
- File Writer

Introduction to Multi-Threading