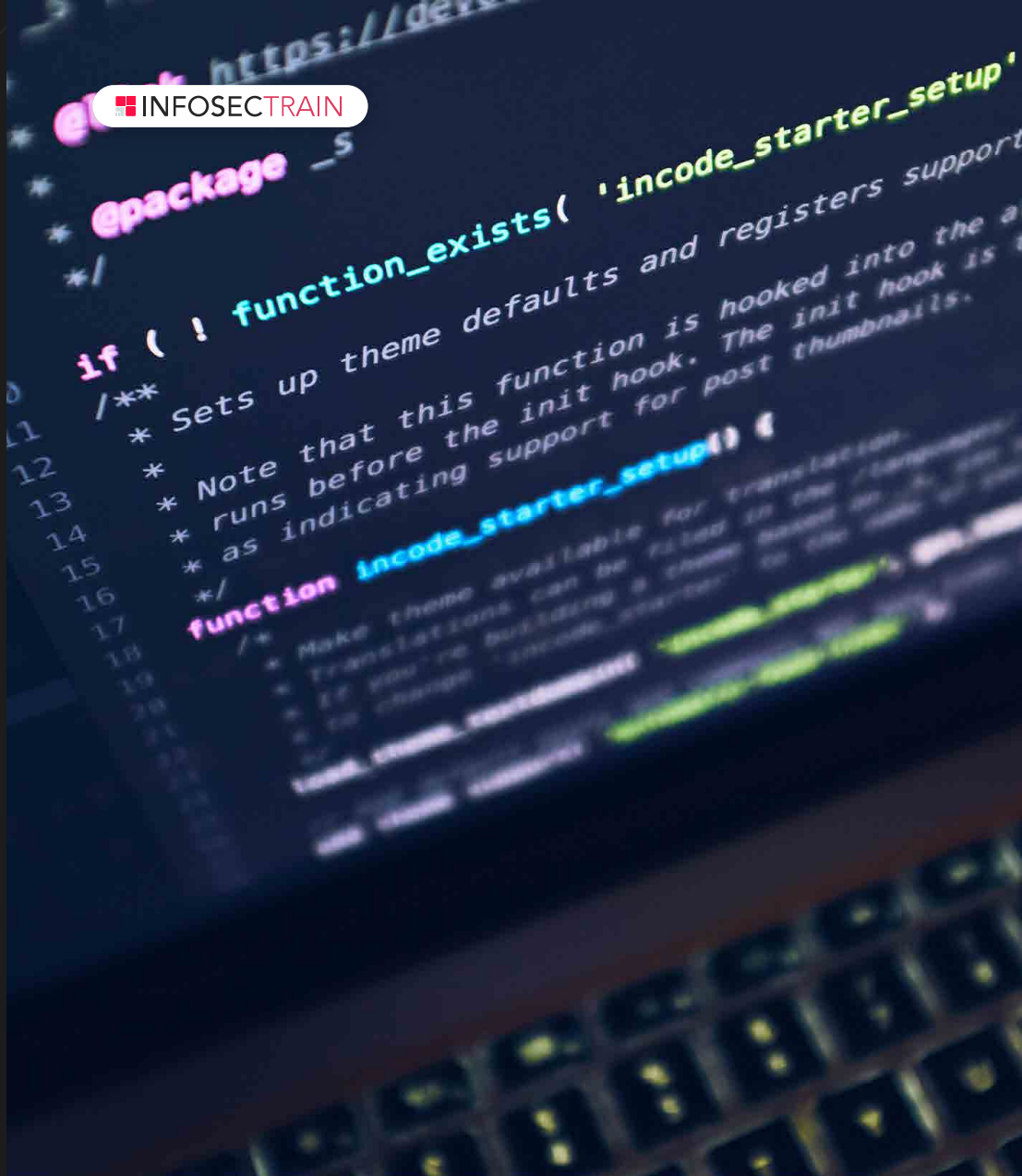# ADVANCE JAVA

COURSE HIGHLIGHTS

- 60+ hours of instructor-led training
- Includes Hibernate and Spring Framework
- Covers Spring Security
- Applied learning

Overview

This course is for applicants who want to learn how to easily construct web applications or learn backend development. We train Advance Java with Security as a priority. Java and its framework are used to develop web applications and standalone applications. Having a comprehensive knowledge of the Java Spring framework, ORM Framework, and Spring Security you can develop robust applications as well as develop platform-independent applications. You will also be able to work in the backend part where you can develop a custom Application Programming Interface.

Target Audience

• Beginners with Web Development
• Web Developers
• Software Developers
• Software Engineer

Pre-Requisite

• Prior knowledge of Core Java
• Know how to use IDE

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

- Java Database Connectivity

- Java Servlet

- Java Server Pages

- Hibernate

- Spring Framework

- Spring Security

Course Content

Java Database Connectivity

• Design Pattern
• Loose & Tight Coupling
• Factory/helper methods
• Application Programming Interface (API)
• JDBC Arch
• JDBC API & driver
• Port no
• Thin Client App
• Host
• Steps of JDBC
• Specifications of JDBC
• Placeholders
• Database call
• Savepoint

Java Servlet

• Server
• JEE container
• JEE API
• Static vs Dynamic resources
• Landing page
• Web.xml
• Servlets
• Generic Servlets
• HTTP servlets
• Session
• Ui / form-data
• Servlet life cycle
• Servlets Internal Arch
• Load on Startup
• Servlet config
• Servlet context
• Context parameters
• Servlet chaining

Java Server Pages

• Advantages of JSP over servlets
• JSP arch
• JSP life cycle

Hibernate

• Introduction
• Setting up Environment
• Configuration and Annotations
• CRUD operations
• Advance Mapping – OneToOne, OneToMany, ManyToMany

Spring Framework

• Introduction
• Setting up a development environment
• Spring Dependency
• Spring Beans and Scope
• Spring annotations

Spring Security

• Getting Started with Spring Security
• Authentication
• Handling CSRF
• Role
• Integrating JDBC Database Authentication
• Encrypting Password