

FREE BOOTCAMP

BECOME A SECURE CODER WITH

PYTHON AND JAVA

Power Your Coding Career with Secure Coding

30 hours

FREE TRAINING

EVENT BENEFITS

- ✓ 30 hrs of instructor-led training
- ✓ Access to the recorded sessions on Youtube
- ✓ Certified & Experienced Trainers
- ✓ 3 hrs/day Session weekday

ENROL NOW - www.infosectrain.com/events/



• Course overview

Introduction to Java

DAY 1

- What is Java programming language?

Installation of Java in your system

DAY 1

- What is IDE, JDK and JRE?
- Why we are using comments in Java?
- Introducing packages/libraries

What are Tokens of Java?

DAY 1

- Keywords
- Identifiers
- Values or literals or data
- Separator

What are all the Datatypes Java Provides?

DAY 1

- Primitive and Non-Primitive
- Type casting

What are operators and its type?

DAY 1

- Arithmetic operations
- Boolean logical operations
- Relational operations
- Assignment operations
- Prefix and Postfix operators
- Ternary operations

How to use Operators?

DAY 2

Understanding the Control statements

What are all different control statements we have in java?

- if-else statement
- switch statement

DAY 2

Usage and types of Looping statements

- while loop
- Do – while loop
- for loop

DAY 3

Understanding Java Methods

- How to declare methods?
- What are parameters?
- How arguments are different from parameters?
- Method signature
- Return a value

DAY 3

Working with Arrays in Java

- What is array?
- How to declare arrays?
- Why we use arrays?
- Types of arrays

DAY 4

Understanding the Object- Oriented Programming

What is Class and Object?

Different type of OOPs concepts

- Encapsulation
- Inheritance
- Polymorphism
- Abstraction
- Interface

DAY 4

What is String in Java?

- Introduction to String
- Built-in methods of String
- What is String Builder and String Buffer?

DAY 5

Exceptions and Exception handling

- What is exception?
- Different types of exception
- How to handle exception?

DAY 5

Introduction to Collections

- What is Collection framework?
- Hierarchy of Collections

DAY 5

Introduction to SDLC and SSDLC

What is development lifecycle and how to adapt the security in each phase of development life cycle?

DAY 5

Importance of security

- Introduction to pillars of security
- What are the different functions of security?
- How applications attacks happen?
- Introductions to OWASP

DAY 5

Introduction to spring MVC framework and Spring security

How we use framework to create web applications? and important role of Spring security

Python Basic

DAY 6

- Introduction of python
- Why python?
- Installation of python
- Installing VSCode

What are different Code styles in Python?

DAY 6

- What is Pep8?
- Working with Comments
- What are all Naming conventions we use in python?

Data types and Operations

DAY 6

- Introduction to Basic data type
- How to do Variable declarations?
- What is Integer arithmetic?
- Working with Boolean logic
- Type casting in python
- What is Escape sequence
- Introduction to Comparison operators and uses

Working with String

DAY 7

- String formatting
- Introduction to Basic string methods

Exploring the Control statements

DAY 7

- Working with if-else in python

DAY 7

Working with Looping statements

- Using for loop
- While loop

DAY 8

How to work with Functions?

- How to Declaring functions?
- What are the Scopes functions?
- How Parameter and arguments different from each other
- How to Invoking functions

DAY 8

Exploring Collections

Introduction to collections

Working with different collections

- List
- Tuple
- Sets
- Dictionaries
- Slicing

DAY 9

Modules and Packages

- Load module
- Creating module
- Creating packages
- What is Pip (Preferred Installer Program)?

DAY 9

Exceptions and Exception handling

- Introduction to exception
- Handling exceptions
- Exceptions and program errors

DAY 10

Working with files

- How to Reading files?
- How to Writing files?
- Working with Context manager

DAY 10

Introduction to SDLC and SSDLC

What is development lifecycle and how to adapt the security in each phase of development life cycle?

DAY 10

Importance of security

- Introduction to pillars of security
- What are the different functions of security?
- How applications attacks happen?
- Introductions to OWASP

The background of the image is a dark grey color with a subtle, light grey circuit board pattern. The pattern consists of various lines, dots, and small squares, resembling a printed circuit board (PCB) layout, scattered across the entire page.

 INFOSECTRAIN