

## Java Training

This Java training course, designed for absolute beginners, provides candidates with a practical knowledge of Java. As well as teaching the fundamentals of the language a variety of exercises also introduce good programming practice.

### Objective

By the end of the Java training course, delegates will be able to:

- Write their own Java programs
- Work with existing code
- Utilise object oriented Programme Approaches
- Understand Java Programming Language
- Java Best-Practice
- Conduct Object Oriented Software Development

### Details

**Duration:** 3 Days

### Who is this course for

Complete programming novices who want to start writing programs using Java and working on existing code.

## Course Content

### Introduction to Java Programming

- Why use Java
- How does Java work?
- Java Access Control
- Object Oriented Java
- Data Structures
- Inheritance Hierarchies
- Polymorphism
- Designing Code

### Language Syntax

- Variables
- Statements
- Arrays
- Conditional Statements
- Loops
- Exceptions

## Object Orientation

- Introduction to OO Programming
- Creating Classes - methods, fields, visibility
- Overloaded methods
- Extending a class
- Advanced object syntax
- Accessors and mutators
- Java Collection Class Issues - Ordering and Sorting
- Algorithms, data structures, and apps
- Reusing Code
- Static Methods and Variable
- Creating Java Classes
- Java Selection and Iteration

## Standard Utility Classes

- Collections
- File access
- Mathematical functions

## Building Real World Applications

- Javadoc and API's
- Practise Project
- Where next?

Silicon Beach Training Ltd

Moorgate House, 5-8 Dysart Street, London, EC2A 2BX