

# Java Introduction

**Prerequisites:** Students should be familiar with using personal computers with a mouse and keyboard. Basic typing skills are mandatory. Students should be comfortable in the use of the Windows 2000, Windows XP, or Windows Vista environment.

**Length:** One Day

**Summary:** You will learn the basic concepts of programming using Java as the tool for learning.

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## Course Content

### INTRODUCTION TO PROGRAMMING

- Overview of Programming
- Introduction to the Software Development Life Cycle

### CREATING SIMPLE PROGRAMS

- Work with Variables
- Work with Operators
- Control Program Execution
- Work with Arrays

### CREATING PROGRAMS USING METHODS

- Work with In-Built Methods
- Create Methods

### IMPLEMENTING THE OBJECT-ORIENTED METHODOLOGY

- Create a Class
- Create an Object
- Create a Constructor
- Create a Subclass

### HANDLING PROGRAMMING ERRORS

- Fix Syntax Errors
  - Fix Logical Errors
  - Fix Runtime Errors
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