LEARN PROGRAMMING IN JAVA™

Learning OO Java™ as a Beginner – Course Introduction

COURSE DESCRIPTION

- The course and corresponding online video are designed to introduce Java to students with little to no prior programming experience.

- The course aims to build a strong foundation by covering basic concepts, syntax, and practical examples. The instructor will break down each topic into clear, step-by-step explanations and provide hands-on coding exercises.

- The content is all practical, not theoretical. The instructor has 30 years of hands-on Java programming experience, and what is taught is what is needed to start your career in Java Programming.

COURSE AGENDA

- What is an Object
- Objects
- Operators
- Control Flow
- Implementation Hiding
- Reuse
- Polymorphism
- Interfaces

- Collections
- Functional Programming
- Stream
- Exceptions
- Generics
- Arrays

REQUIRED SOFTWARE

- JDK™
  - JDK 8 or Newer (Open Source, Amazon, or Oracle)
  - The beginner course focuses on core language constructs; feel free to use 11, 17, 21, etc.

- IDE
  - IntelliJ Community Edition (Free) or Enterprise (Paid)
  - While you can use any IDE with Java, the course and labs are explicitly made with IntelliJ in mind

INSTRUCTOR – HUGO SCAVINO

- 30 Years of IT Experience

- Using Java since the beta

- Taught Java and OOP in USA, UK, and France to Fortune 500

- Senior Software Architect with
  - DTCC
  - Penske
  - HSBC
  - Government Agencies

https://www.linkedin.com/in/hugoscavino/

RECOMMENDED TEXTS

- Java 5 Book
  - Thinking in Java – 4th Edition - Free – PDF - GitHub
  - Thinking in Java – 4th Edition – Hard Cover - Amazon

- Recommended Java 8 Book
  - Bruce Eckel on Java 8
    - Contains references to newer Java syntax
- #1 Best Seller in Beginner's Guide to Java Programming
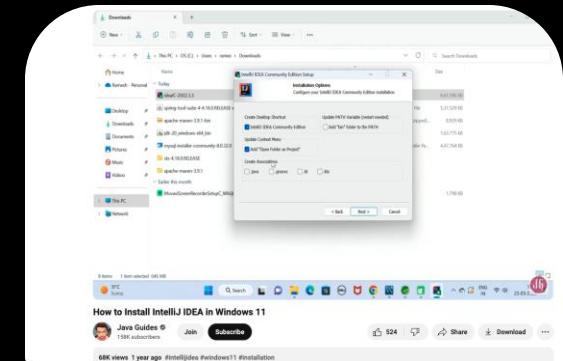 - Head First Java: A Brain-Friendly Guide 3rd Edition

ONLINE VIDEO TUTORIAL

- Learning Programming In Java
  - YouTube Tutorials

- Lab Exercises
  - http://www.learnprogramminginjava.com/java/labs

JAVA SDK INSTALL AND INTELLIJ IDE

- **Course**
  - Assumes IntelliJ is installed
  - Assumes at minimum a JDK 8 Installation
  - All labs use the IntelliJ project structure
- **Please Install Java JDK and IntelliJ Using the Video Tutorial from Java Guides**
  - **How to Install IntelliJ IDEA**
    - Do Not Install the AI Plugins – That is for another day

COMPANY WEBSITE

Free Course

- Website
  - www.learnprogramminginjava.com
- Labs
  - www.learnprogramminginjava.com/java/labs

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Learn Programming

Menu

Learn Programming in Java

Learn the basics of programming in Java. Senior developers, not academics, created a course to make you employable and new career bound