

Java for programmers (code: J-BASE)

Overview

Java has nowadays become one of the most popular programming languages. It's popularity can be traced to its object-oriented approach, robustness, security, ease of use - and possibility of writing OS-independent code. Another of its strengths is an abundance of available libraries; throughout this course, participants will learn not only the syntax, but also the most useful libraries.

Ask for details

Phone +44 203 608 6289

info@alx.training

Duration

4 days

Agenda

1. Day 1
 - Java and its versions
 - Installing a virtual machine. Compiling and running programs.
 - An introduction to object-oriented programming and fundamental design patterns.
 - Structural and object-oriented features of Java. Basic features (e.g., garbage collector).
 - Dividing the code into classes, packages, files, directories and archives.
 - Basic tools, Java development platform.
2. Day 2
 - Using and creating documentation.
 - Error handling: exceptions, common pitfalls and best practices.
 - Introduction to testing: assertions, an overview of more advanced solutions (such as JUnit).
 - Collections.
 - Generic classes.
3. Day 3
 - Input / Output: streams and their applications, Decorator pattern, objects serialization.
 - Threads: life cycle, synchronization, concurrent programming fundamentals.
 - Automatic builds (Ant, Maven).
 - RTTI, introspection, JavaBeans.
4. Day 4
 - Graphical user interface in Java.
 - Swing: windowed applications and applets.
 - Observer pattern.
 - Graphical user interface tools.

Target audience and prerequisites

Programming in whatever computer language. At least basic knowledge of object programming concepts is recommended.

Certificates

Course participants receive completion certificates signed by ALX.

Locations

- Online (English) – your home, office or wherever you want
- Warsaw (English) – Jasna 14/16A
- any other location (London, UK, EU) on request

Price

760 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.

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