

„JAVA – basic operations”

Course description:

JAVA training – basic operations is addressed to people who want to gain elementary knowledge of JAVA language and it aims at showing the benefits of using this knowledge in different environments. The training is for the beginners in the world of programming.

Training program:

1. **Introduction to JAVA language**
 - JAVA and its versions
 - Description of the technology running on JAVA - principles of operation
 - Installation and configuration of JAVA environment
 - Compiling and launching applications
2. **Language basics**
 - Data types
 - Operators
 - Exceptions
 - Interfaces
 - Standard Packages
 - Tables
 - Loops, conditions
 - Control instructions
 - Flow control
3. **Basics of object oriented programming**
 - Classes, methods, objects
 - Constructors
 - Polymorphism
4. **Flow control - complex instructions**
5. **Using files - streams, readers, writers**
6. **Serialization**

7. **Basics of multithreading**
8. **Generic collections and generic types - introduction**

Methodology:

- PowerPoint mini lectures
- working on computers (each participant works on a separate computer)
- mini training videos

Organizational information:

Number of training hours: 14 hours / 2 days

Time of training 9:15-16:15

Place of training: Łódź, Piotrkowska 125 – KM Studio - trainings