Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Java, Python courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

390,00 €

PRICE INCL. VAT

479,70 €

including 23 % VAT

PDF SYLLABUS

Java Language Basics I.

Clear overview of course topics, training scope and key information.

Participants in the Java course will become familiar with the basic principles of modern programming languages, the programming tools of the Java developer package and the development environment (IDE). In this part of the course, they will gain knowledge and skills for creating simple applications in Java.

COURSE CONTENT

01 **Description of the Java Language and Its Properties**

02 **OOP Basics**

polymorphism inheritance encapsulation control of visibility of member data and functions

03 **Comments**

04 **Language Data Types, Variables**

05 **Variable Initialization**

constructors overloading garbage collector

06 **Program Flow Control**

conditions loops operators

07 **Creating Program Units**

classes access modifiers package inner classes

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08 **Working with Collections**

arrays hash tables trees lists

09 **Working with API Documentation**

10 **Java Applications and Java Applets**

characteristics and their use

11 **GUI**

use of the Swing class

12 **Working with and Handling Exceptions**

principles of operation and properties of exceptions

13 **Working with Files and I/O Streams**

discussion conclusion

This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.

https://www.macrosoft.sk/en/courses/java-programming-language-basics