Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Java, Python courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

260,00 €

PRICE INCL. VAT

319,80 €

including 23 % VAT

PDF SYLLABUS

Java II. - Intermediate

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

Participants in the Java II. course will follow up on the basic knowledge acquired from the basic course and expand it with more advanced programming procedures.

COURSE CONTENT

01 **Sorting and Ordering Data**

Comparing and sorting basic data types Comparing and sorting objects Comparable and Comparator

02 **Generics**

need for generic programming type erasure automatic type inference

03 **Functional Java**

functional interfaces Function, Predicate, Consumer, Supplier @FunctionalInterface lambda expressions

04 **Streams and Lambda Expressions**

characteristics of streams filtering, mapping sorting, reductions

05 **Input-Output Operations**

I/O operations in Java Reader and Writer FileInputStream, InputStreamReader working with CSV files

06 **Working with Date and Time**

LocalDate, LocalTime, LocalDateTime, Instant date arithmetic date and time formatting time zones

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07 Regular Expressions

use of regular expressions quantifiers, boundaries, anchors practical examples

08 Kotlin

introduction to Kotlin use of the language simple programs

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-language-basics-2