Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Java, Python courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

393,00 €

PRICE INCL. VAT

483,39 €

including 23 % VAT

PDF SYLLABUS

Java III. - Advanced

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

This course is intended for programmers who have basic knowledge of Java and want to expand this knowledge with more advanced techniques. At the output, the graduate should be able to write more complicated programs that will implement some network or database mechanisms.

COURSE CONTENT

01 **Data Structures**

arrays sorting array as return value comparing arrays

02 **Containers**

types of containers iterators

03 **Generics**

dynamic identification type detection at runtime casting

04 **exceptions**

division use meaning exception processing

05 **Security in Java**

06 **Multithreaded Applications**

principles and use synchronization options

07 **Threads**

08 **inputs and outputs in Java (Java I/O)**

Macrosoft

Vzdelávanie s trvalým efektom

09

JDBC Basics

what JDBC is use of a JDBC driver connection to a database executing queries reading results

10

Basics of Working in a Network and Distributed Environment

Sockets applications using TCP/IP and UDP/IP protocols

11

Basics of Working in a Distributed Environment

SOAP and Web Services Remote Method Invocation and Corba IDL programming model 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-iii-advanced