

Java Technologies

Let's Make the Acquaintance

Your trainer:

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Представьтесь, пожалуйста

- Фамилия, имя
- Образование: ВУЗ, специальность, год окончания (для студентов – курс)
- Опыт работы с Java SE (лет или месяцев, коммерческий или любительский)
- Опыт работы с Java EE
- Опыт работы с другими языками программирования

Course Goals

- Training for the practical work in a large java project
- Main direction: you will acquire skills of **self-supporting development**
- Part I should give all of you the same level of actual knowledge and practical skills on Core Java, preparing you to study Part II
- Part II will introduce you to modern Java EE technologies

Course Structure. Part I

- **Section I. Introduction**
- **Section II. Java Language**
 - Java Basics
 - Essential Java Classes
 - OOP
- **Test I**
- **Section III. Java SE**
 - Collections
 - Generics
 - I/O Basics
 - Multithreading
 - Work with database
- **Test II**
- **Practical Work**

Course Structure. Part II

- Section I. Introduction to Java EE
- Section II. Java Persistence
- Section III. Web Applications
- Section IV. Spring Technology
- Section V. Web Services
- Self-supporting project

Course Preliminaries

- **Main**
 - You know a programming language
 - You have some development skills
 - You don't know Java
- **Additional.** You know:
 - What is database
 - SQL
 - XML
 - HTML

Our Timetable

- Monday, **Wednesday**, Thursday
- 18:00 - 21:00

Our Work Organization

- Attendance, being late, breaks
- During a lesson you will have:
 - Theoretical parts
 - Questions for control
 - Self-supporting development tasks
- Home tasks
- Usually examples are from real projects
- How ask questions
- Turn off your computers!
- Ventilations

Our Work Organization

- During a lesson you will have:
 - **Theoretical parts**
 - Course aim: get practical (not only theoretical!!!) skills
 - Course aim: give you a road map for studying Java
 - Presentations give you general view of the topics
 - Use links from presentations, manuals and Google for deeper studying
 - A lot of traditional topics (SWING, applets etc.) are removed from the course due to lack of demand from customers
 - Questions for control
 - self-supporting development tasks

Our Work Organization

- During a lesson you will have:
 - Theoretical parts
 - **Questions for control**
 - Quizzes allow you self control
 - Quizzes are for discussions (**not for appraisal**)
 - Quizzes contains additional information
 - Self-supporting development tasks

Our Work Organization

- During a lesson you will have:
 - Theoretical parts
 - Questions for control
 - **Self-supporting development tasks**
 - The main element of the course
 - Time limitation and group interests
 - Task discussion
 - Use task solution at home
 - Help you by yourself

Our Work Organization

- **Home tasks**
 - Mandatory
 - Usually time-consuming and sophisticated
 - Class discussions
- Usually examples are from real projects
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- **Ventilations**