Java Advanced

Course Introduction

SoftUni Team

Technical Trainers

Software University

SoftUni

Software University

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#java-advanced

SoftUni Diamond Partners

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Java Advanced

About Java

- Java Is Everywhere

- Wonderful Community Support

- Java Is Platform Independent

- Excellent Documentation Support - Javadocs

- Great Collection of Open Source Libraries
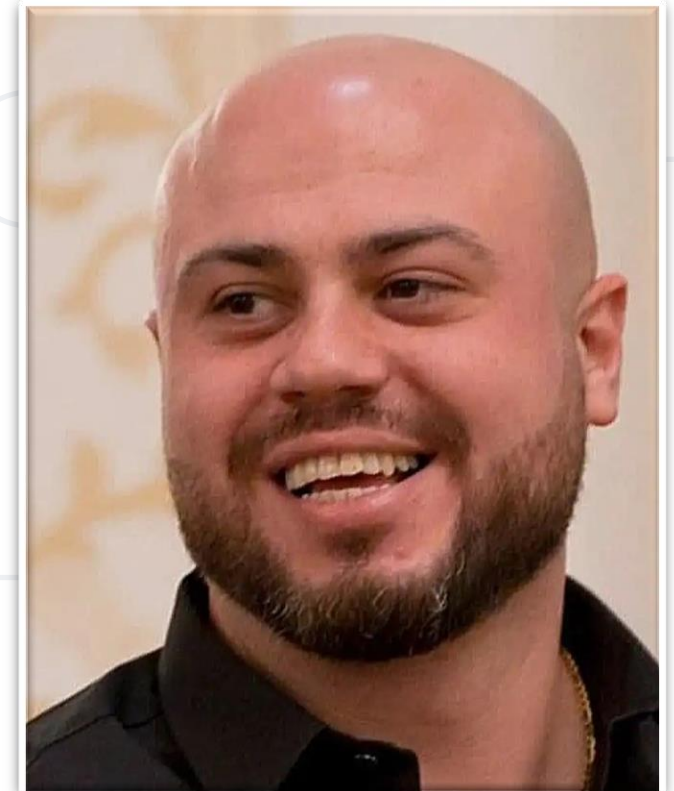
- Java Has Rich API

Course Topics

- Stack and Queues
- Multidimensional Arrays
- Sets and Maps
- Streams, Files and Directories
- Functional Programming
- Defining Classes
- Workshop – Create Simple Data Structure
- Generics
- Iterators and Comparators
- Workshop

The Trainers Team

Ivan Ivanov

- 8+ years of professional programming experience

- Senior Developer and Team Lead @ **LockTrip**

- Constant learning and self-improvement

- Often involved as a speaker in numerous events and educational courses

Kaloyan Kostadinov

- Complete Java Education @**SoftUni**

- Master's degree of
"Business Administration"

- Java Developer @ **Commerzbank**

- Interests in Java and JavaScript

Course Organization

Java Advanced Module – Timeline

9-Jan-2024　　　　　　　　**20-Feb-2024**　　　　　　　**10-16-Apr-2024**

Java Advanced

6 weeks * 4 times / week
12 credits

Start: 9-Jan-2024
Theoretical exam: 17-Feb-2024
Final exam: 17-Feb-2024

Java OOP

7 weeks * 4 times / week
15 credits

Start: 20-Feb-2024
Theoretical exam: 6-Apr-2024
Final exam: 6-Apr-2024

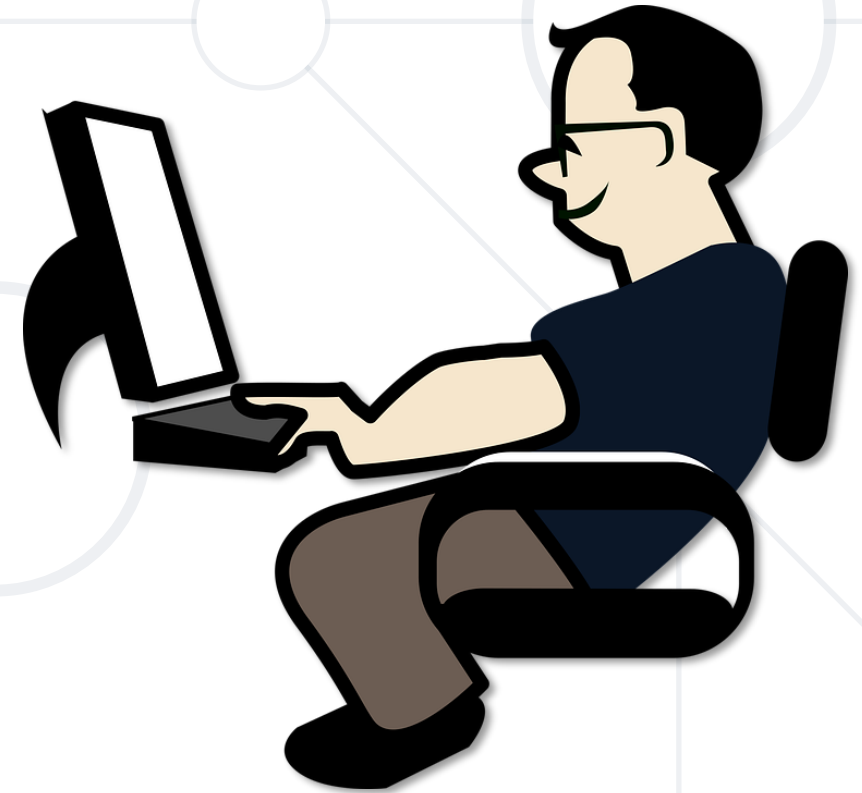**Re-Take Exams**

Java Advanced
10-Apr-2024

Java OOP
16-Apr-2024

SoftUni Certificate

Practical Exam 100%

Evaluation

Homework 5%

CPE Certificate

Practical Exam

Theoretical Exam

Evaluation

Homework Assignments & Exercises

- Your **homework** is mainly work in class!
  - Lesson days → slides + live demos + exercises
  - Exercise days → only exercises
- How to submit your homework?
  - Submitted in the **judge system**
- Do your homework when it's due!
  - Assignments pile up quickly

Exam

- **Practical Programming Exam**

  - 3 practical problems for 4 hours:

  - Code in Java

- Problem 1: **Data Structures** (Stack, Queues, Sets, Maps)

- Problem 2: **Multidimensional Arrays**

- Problem 3: **Defining Classes**

Theoretical Exam

- 30 minutes
  - **Choice** with 1 answer
  - In English
  - Automated quiz system
- Available **online** on the day of **the practical** exam
- You can submit your answers just one time

Resources

Java Advanced Course, Forum and FB Group

- Official web site:

  https://softuni.bg/trainings/4374/java-advanced-january-2024

- Official discussion forum:

  https://softuni.bg/forum/categories/7/java-advanced

- Official Facebook group:

  https://www.facebook.com/groups/JavaAdvancedJanuary2024

- Community Facebook group:

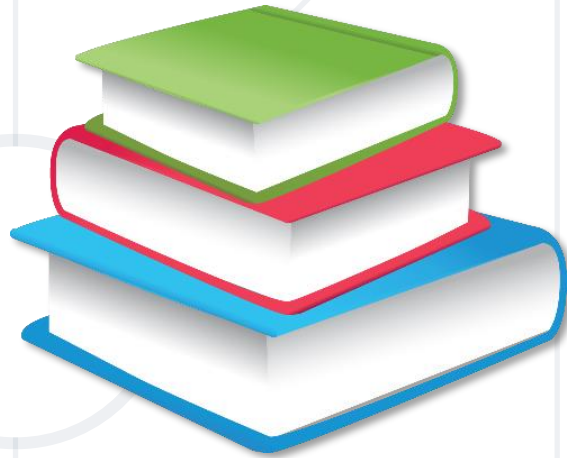 https://www.facebook.com/groups/SoftUniJavaCommunity/
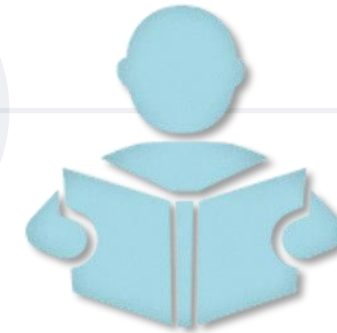
Java Advanced Slides and Videos

- All lecture **slides**, **videos**, **homework assignments**, **projects** and other resources are open content, available for free
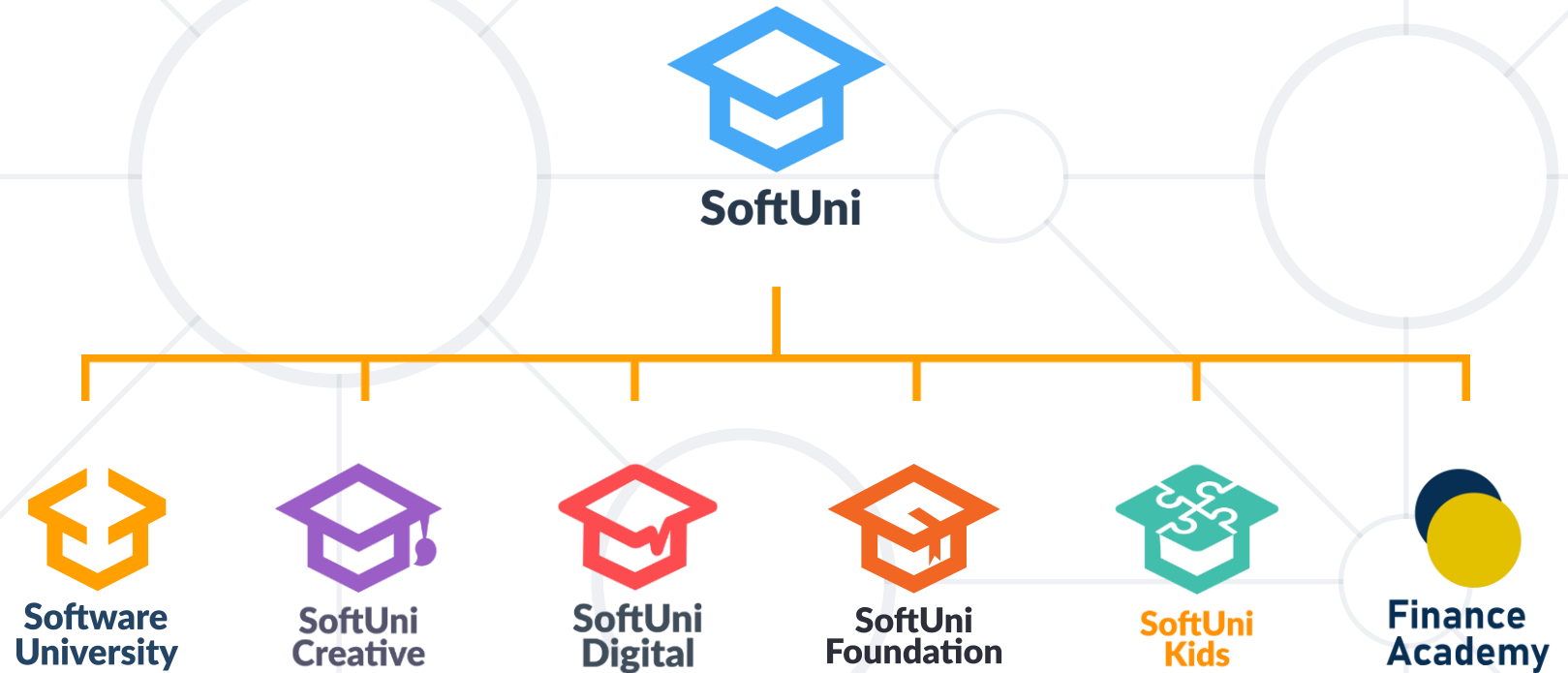 - Visit the course **web site** to access the course resources

Java Recommended Software

- Software needed for this course:

  - Microsoft Windows 10

  - IntelliJ Idea - **https://www.jetbrains.com/idea/**

Learn to Search in Internet

- The course assignments require to **search in Internet**

  - This is an important part of the learning process

  - Some exercises intentionally have no hints

- Learn to find solutions!

  - Software development includes **everyday searching and learning**

  - No excuses, just **learn to study**!

  - Developers learn new technologies, tools, languages every day!

Questions?

Trainings @ Software University (SoftUni)

- Software University – High-Quality Education, Profession and Job for Software Developers

  - softuni.bg

- Software University Foundation

  - softuni.foundation

- Software University @ Facebook

  - facebook.com/SoftwareUniversity

- Software University Forums

  - forum.softuni.bg

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