

Course Introduction



SoftUni Team
Technical Trainers



SoftUni



Software University
<https://softuni.bg/>

Have a Question?



sli.do

#cpp-fundamentals

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Course Objectives

Course Goals

- Build an **understanding** of the **C++ language, syntax and features**
- Learn about C++ **specifics, pitfalls** and **good practices**
- Use C++ **standard libraries**
- Practice **coding small** C++ programs





Course Scope

The Curriculum

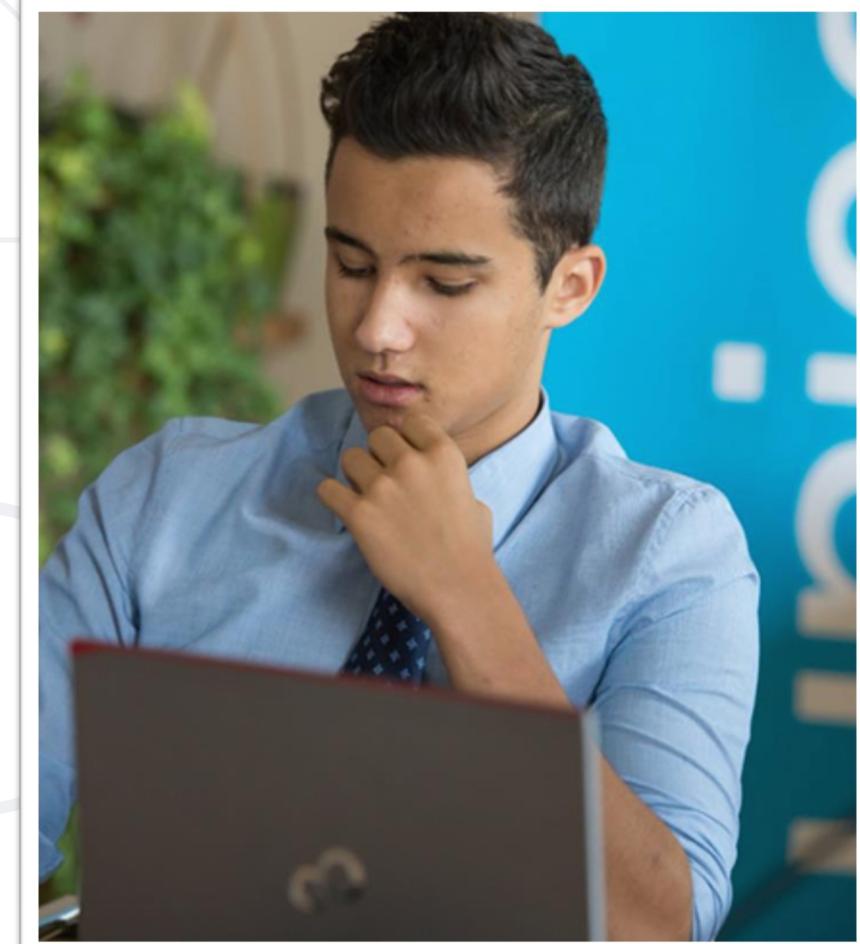
1. Basic Syntax
2. Exercise - Basic Syntax
3. Functions
4. Exercise - Functions
5. Arrays
6. Exercise - Arrays
7. Strings and Streams
8. Exercise - Strings and Streams
9. Vectors, Lists and Iterators
10. Exercise - Vectors, Lists and Iterators
11. Exam Preparation



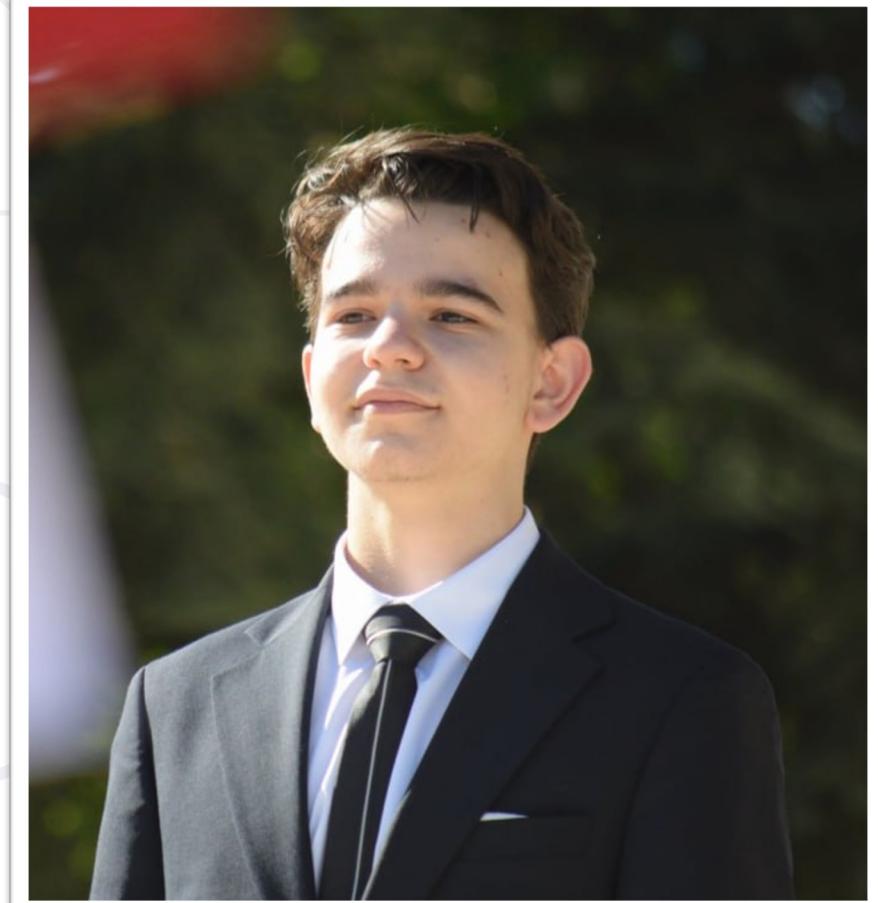


The Trainer

- Full-Stack Developer at **Devpunks**
- Fluent in Python, Django, JS, HTML/CSS, React.js, Postgres
- Lecturer at NBU with **C++**
- Interested in the AI development



- Product Technical Lead
@OneBit Software
- Author of numerous **libraries** that are successfully used in many projects
- Winner of **SoftUniada 2023** and winner of the "**Youth Award**" of **BAIT**



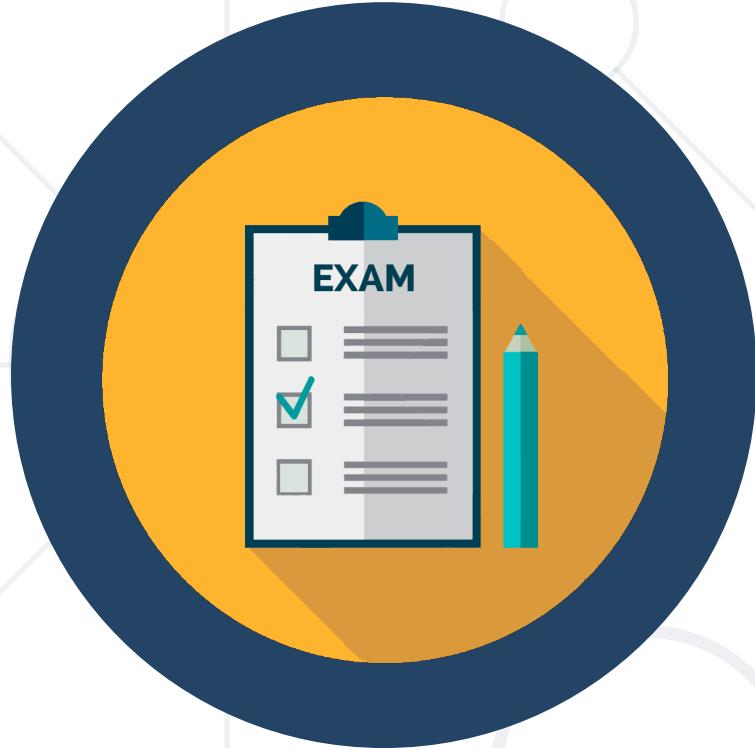


Homework

Homework

- **Exercises**
 - Due date: one day before the **Regular Exam**
 - Submitted through <https://judge.softuni.bg/> platform
- Do your homework when it's due
 - Assignments pile up quickly





Exam

Practical Exam

- **3 Tasks** to be solved in **4 hours**
 - The exam will cover all topics
- Automatically evaluated by the **Judge system**
- Support in [sli.do](#) during the exam



Theoretical Exam

- You will have **30 minutes** once you enter
 - Multiple-choice with **1** correct answers
 - English
 - Automated quiz system
 - Available during the **practical** exam and **30 minutes after it**
 - You can submit your answers just **one time**
 - You can **navigate** through the questions
 - Advice: Start it when you **finish** the **practical exam**





Course Organization

C++ Fundamentals Course Timeline



5-March-2024

13-April-2024

20-April-2024

C++ Fundamentals

6 weeks * 2 times / week
6 credits

Start: 5-March-2024
Theoretical Regular Exam: 13-April-2024
Practical Regular Exam: 13-April-2024
Theoretical Retake Exam: 20-April-2024
Practical Retake Exam: 20-April-2024







Resources

Course Web Site and FB Group

- Official web site:

<https://softuni.bg/trainings/4434/cpp-fundamentals-march-2024>

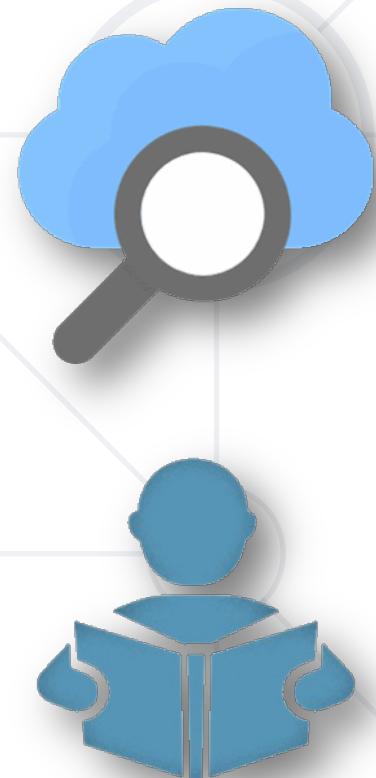
- Official Facebook group:

<https://www.facebook.com/groups/cplusplusfundamentalsmarch2024>



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?



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SoftUni
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SoftUni
Kids



Finance
Academy

Trainings @ Software University (SoftUni)



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