C++ Fundamentals

Course Introduction

SoftUni Team

Technical Trainers

Software University

SoftUni

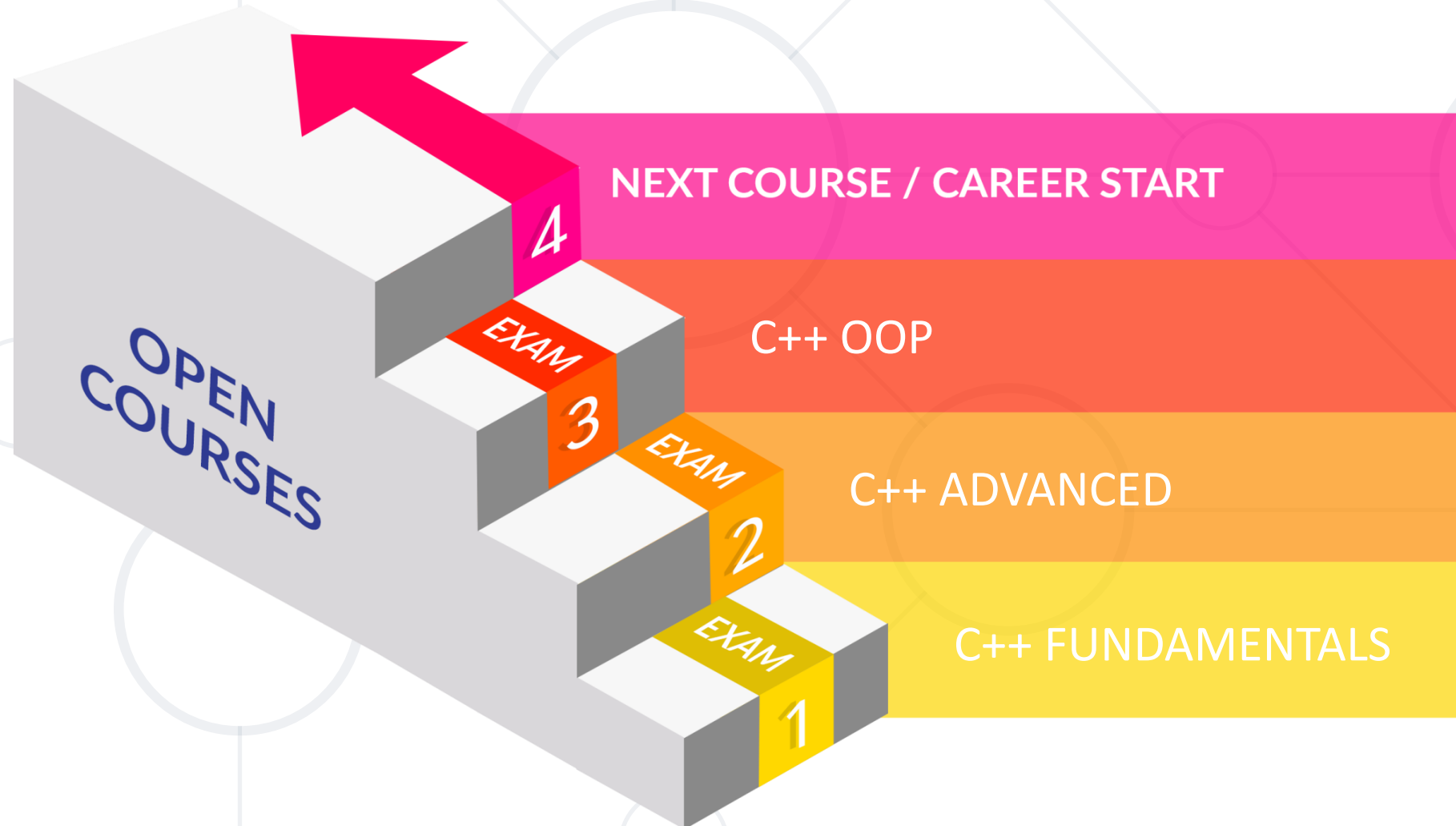**Software University**

https://softuni.bg/

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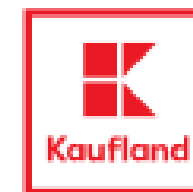   - Course Infrastructure
   - Evaluation Criteria

sli.do

#cpp-fundamentals

Open Courses

OPEN COURSES

NEXT COURSE / CAREER START

4

EXAM

3

C++ OOP

EXAM

2

C++ ADVANCED

EXAM

1

C++ FUNDAMENTALS

SoftUni Diamond Partners

Educational Partners

CODE IT UP

VIRTUAL RACING SCHOOL

Course Objectives

C++ Fundamentals 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

- Have fun!

Software University

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 Team

Doncho Angelov

- Manages the engineering organization of Pliant.io

- More than 15 years of experience as a C ++ developer

- Over 10 years as a team leader responsible for developing comprehensive applications

Homework

Homework

- **Exercises**
  - Up to 1 week after class
  - 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 or more** 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

01-March-2022   17-April-2022   30-June-2022

C++ Fundamentals

6 weeks * 2 times / week
6 credits

Start: 01-March-2022
Theoretical Exam: 17-April-2022
Practical Exam: 17-April-2022
Theoretical Exam Retake: 30-June-2022
Practical Exam Retake: 30-June-2022

SoftUni Certificate

Software University

Practical Exam 100%

Evaluation

Homework 5%

CPE Certificate

Practical Exam 100%

Evaluation

Theoretical Exam 100%

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!

Course Web Site, Forum and FB Group

- Official web site:

  https://softuni.bg/trainings/3657/cpp-fundamentals-march-2022

- Official discussion forum:

  https://softuni.bg/forum/categories/185/cplusplus-fundamentals

- Official Facebook group:

  https://www.facebook.com/groups/cplusplusfundamentalsmarch2022

Questions?

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SoftUni Kids

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