C# Fundamentals

Course Introduction

SoftUni Team

Technical Trainers

Software University

Software University

sli.do

#fund-csharp

SoftUni Diamond Partners

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Course Objectives

C# Fundamentals Objectives

- Working with linear data structures
  - Arrays and Lists
- Defining simple classes
- Processing and manipulating strings
- Regular expressions
- Building a simple web project

Practical Programming Exam

- **Mid Exam**
  - 3 practical problems for 4 hours
    - Conditional Statements and Loops
    - Arrays
    - Lists
- **Final Exam**
  - 3 practical problems for 4 hours
    - Associative Arrays
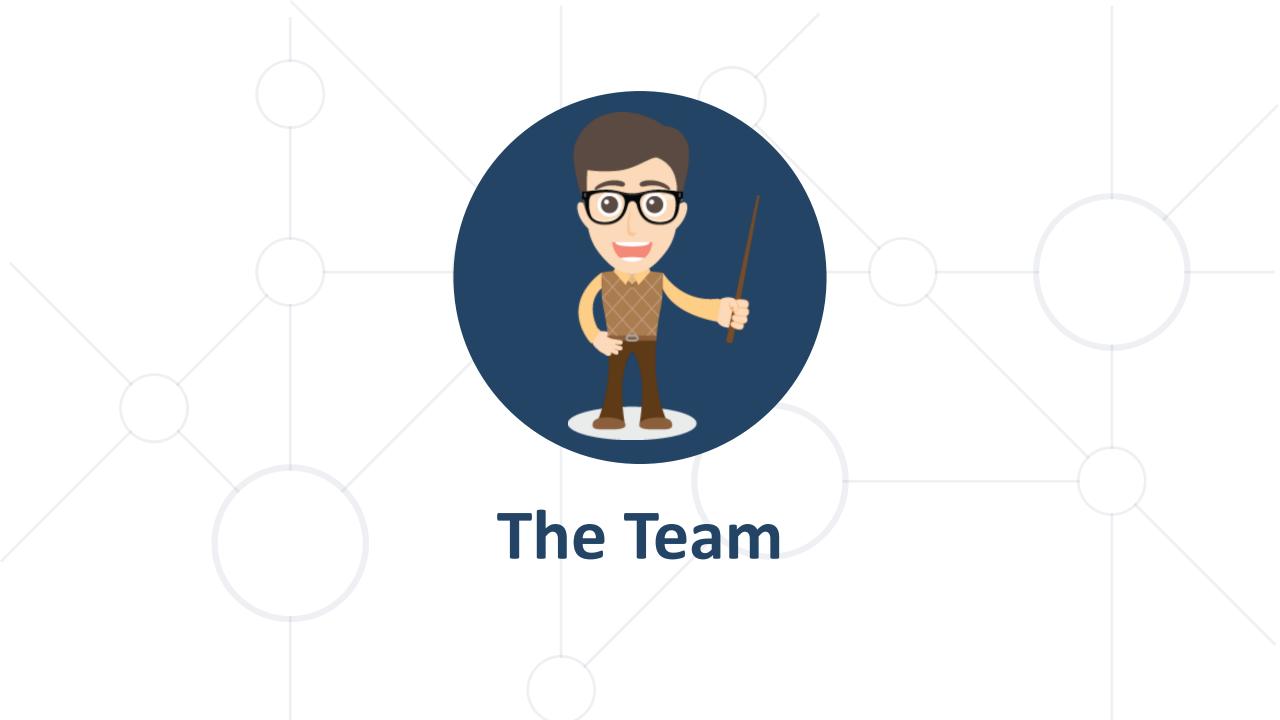   - Strings and Text Processing
    - Regular Expressions

Theoretical Exam

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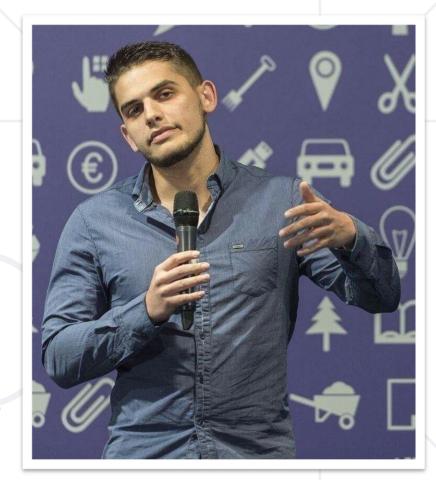
The Team

Viktor Dakov

- **Director, Software Engineering @ Nuvolo**

- Worked @ **Amazon**

- **John Atanasoff** **award**

- Participated in many programming contests

- **10+ Years of Experience** as a Developer

Kaloyan Anastasov

- **Advanced Unity Developer @ Coherent Labs**

- **Top student from the first graduation @ SoftUni**

- **Full Stack Developer** – **over 8 years** of programming experience

- Knowledge in: **.NET Web Full-stack**, C++, Python, Java, JavaScript, PHP, Databases management

- His passion lies in the world of **Unity3D**

Course Organization

C# Fundamentals Module

13-May-2024   **23-Jun-2024**   **04-Aug-2024**   **06-Aug-2024**   **08-Aug-2024**

C# Fundamentals

12 weeks * 3 times / week 12 credits

Start: 13-May-2024
Mid Exam: 23-June-2024
Theoretical Exam: 04-August-2024
Final exam: 04-August-2024

Retake Exams

Mid Exam Retake: 06-August-2024
Theoretical Exam Retake: 08-August-2024
Final Exam Retake: 08-August-2024

Course Scoring

- **Practice** grade:

Practical Mid Exam	Practical Final Exam	Homework
40 %	60 %	+5 %

- **Theory** grade:

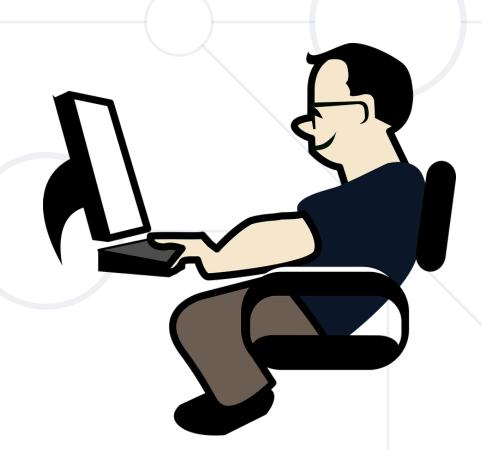| Theoretical Exam |
|:---:|
| 100 % |

- SoftUni Certificate: **5.00** from **Practice**

- CPE Certificate: **3.00** from **Practice** + **Theory**

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

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/4502/programming-fundamentals-with-csharp-may-2024

- C# Fundamentals Facebook group:

https://www.facebook.com/groups/ProgrammingFundamentalswithCsharpMay2024

Questions?

Trainings @ Software University (SoftUni)

- Software University – High-Quality Education, Profession and Job for Software Developers
  - softuni.bg, about.softuni.bg
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