Algorithms with Python

Course Introduction

SoftUni Team

Technical Trainers

Software University

SoftUni

Software University

http://softuni.bg

SoftUni Diamond Partners

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Course Objectives

Course Objectives

- Working with recursion and backtracking

- Solving combinatorial problems

- Searching, sorting and Greedy algorithms

- Graph theory representation, traversal and shortest paths

- Dynamic programming

- Understanding solving techniques and choosing between multiple solutions

Practical Programming Exam

- Exam

  - 3 practical problems – 4 hours

    - Recursion and backtracking

    - Combinatorial problem

    - Searching, sorting and Greedy

    - Graph theory

    - Dynamic programming

    - Everything included in the course
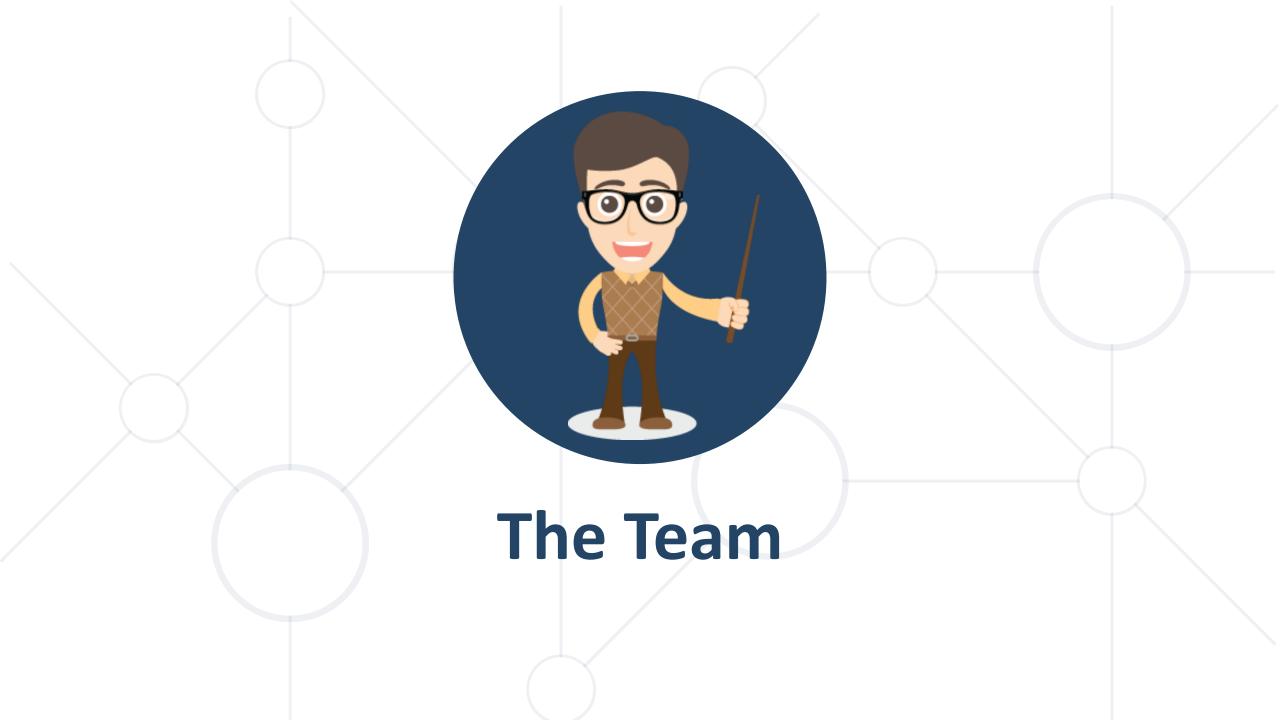
- Support during the exam

  - **sli.do** - **#Algorithms-Python**

Theoretical Exam

- You will have **15 minutes** once you enter

- 10 questions with:

  - Multiple choice with **only one correct** answers

  - English

- Automated quiz system

- Available online at the day and time of the practical exam
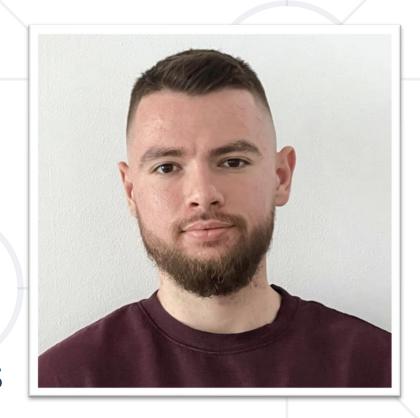
  - You can submit your answers just once

The Team

Atanas Atanasov

- Software Engineer at **Nexo**
  - World's leading regulated digital assets institution
  - Created in **Bulgaria**
- Technical Trainer at SoftUni
  - **200+** training sessions for 5 years
- Interested in the vast world of algorithms
- Interested in the blockchain development

Course Organization

Course Timeline

Software University

05-Nov-2024

15-Dec-2024

22-Dec-2024

Algorithms with Python

6 weeks * 2 times / week
6 credits

Start: 05-Nov-2024
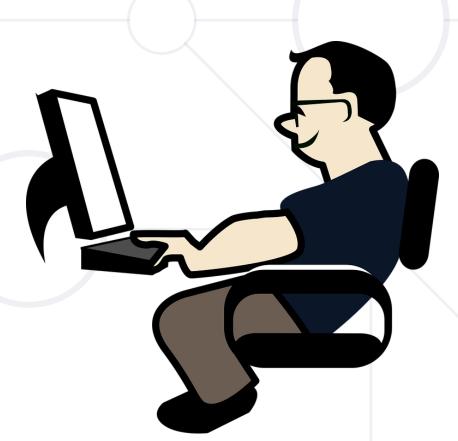Exam: 15-Dec-2024
Retake: 22-Dec-2024

Lections are recorded

Recordings will be available at 10:00 on the scheduled day

Homework Assignments and Exercises

- Your homework:

  - Lesson days → slides + live demos + exercises

- How to submit your homework?

  - Practical problems submitted in the **judge system** to **14th December**

  - Quick tests

- Do your homework when it's due

  - Assignments pile up quickly

SoftUni Certificate

Practical Exam 100%

Evaluation

Bonus Homework 5 %

CPE Certificate

Practical Exam

Theoretical Exam

Evaluation

Course Web Site and FB Group

- Official web site:

https://softuni.bg/trainings/4807/algorithms-with-python-november-2024

- Official Facebook group:

https://www.facebook.com/groups/algorithmswithpythonnovember2024

Questions?

Trainings @ Software University (SoftUni)

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