

Python Fundamentals

Course Introduction



SoftUni Team
Technical Trainers



SoftUni



Software University

<https://softuni.bg/>

sli.do

#fund-python

SoftUni Diamond Partners



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THE CROWN IS YOURS

VIVACOM

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Course Objectives

Python Fundamentals Objectives

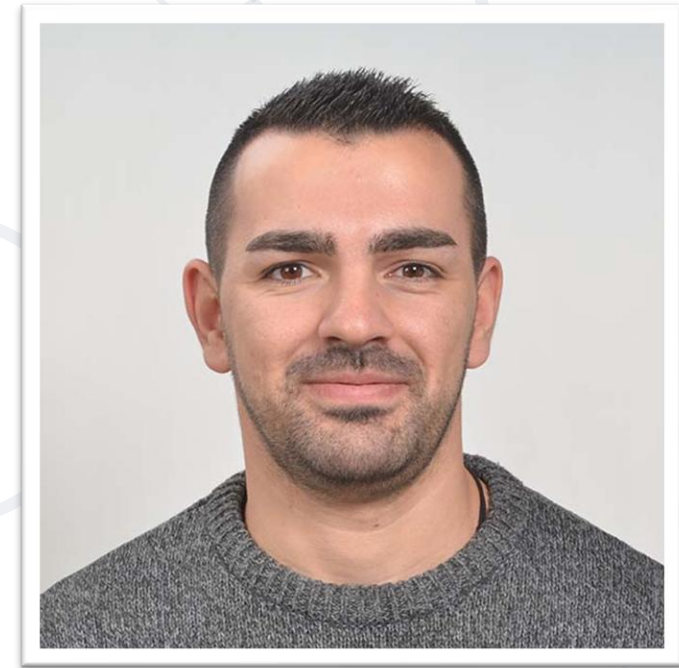
- Working with linear data structures
 - Lists
- Defining functions and simple classes
- Working with dictionaries
- Processing and manipulating strings
- Regular expressions



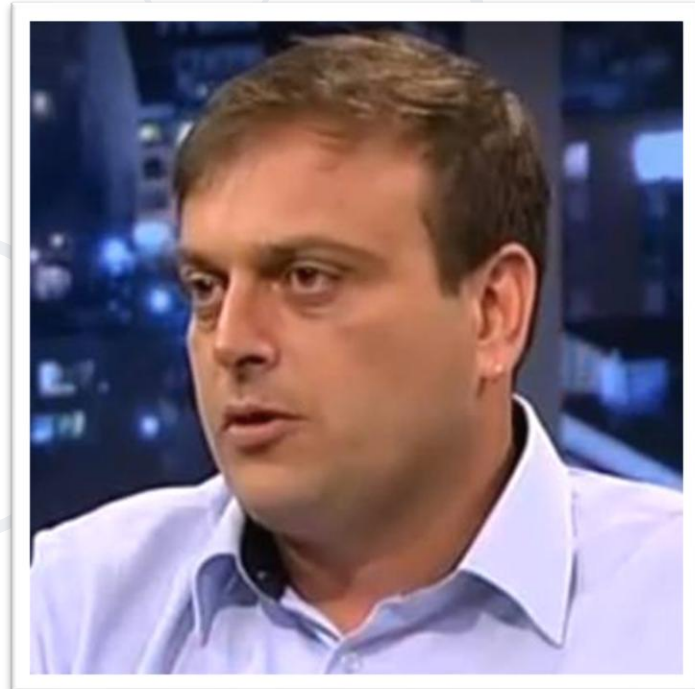


Training Team

- Top student @ **SoftUni**; Master of **Cyber Security**
- Owner of software company - **Maestro Web Studio**
- **7+** years of experience in **Python**
- Interested in **Machine Learning**, **Artificial Intelligence** and **Go**
- Involved in researches related to **Artificial Intelligence** and **Machine Learning**



- **DevOps & Software Developer @ IBM**
- Top Student @ **SoftUni**
- Technical Trainer @ **SoftUni**
- Interested in coding with **Python 3**





Course Organization



Python Fundamentals

12 weeks * 3 times/week
12 credits

Start: 12-May-2025
Mid Exam: 22-Jun-2025
Final Exam: 03-Aug-2025
Theoretical Exam: 03-Aug-2025

Re-Take Exams

Mid Exam Retake: 06-Aug-2025
Final Exam Retake: 08-Aug-2025
Theoretical Exam Retake: 08-Aug-2025

Practical Programming Exam

- Mid Exam - **4 hours**
 - 3 practical problems
 - Conditional Statements and Loops
 - Linear Data Structures – Lists
- Final Exam - **4 hours**
 - 3 practical problems
 - Dictionaries
 - Strings and Text Processing
 - Regular Expressions



Theoretical Exam



- You will have **30 minutes** once you enter
 - Multiple-choice with **1 correct answer**
 - Test will be in English
- Automated quiz system
- Available online **on the day** of the practical exam
 - You can submit your answers just **one time**

- **Practice** grade:

Practical Mid Exam

40 %

Practical Final Exam

60 %

Homework

+5 %

- **Theory** grade:

Theoretical Exam

100 %

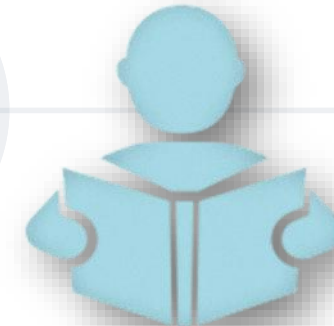
- SoftUni Certificate: **5.00** from **Practice**
- CPE Certificate: **3.00** from **Practice + Theory**

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



- 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!



- Official website:

<https://softuni.bg/trainings/4940/programming-fundamentals-with-python-may-2025>

- Official Facebook group:

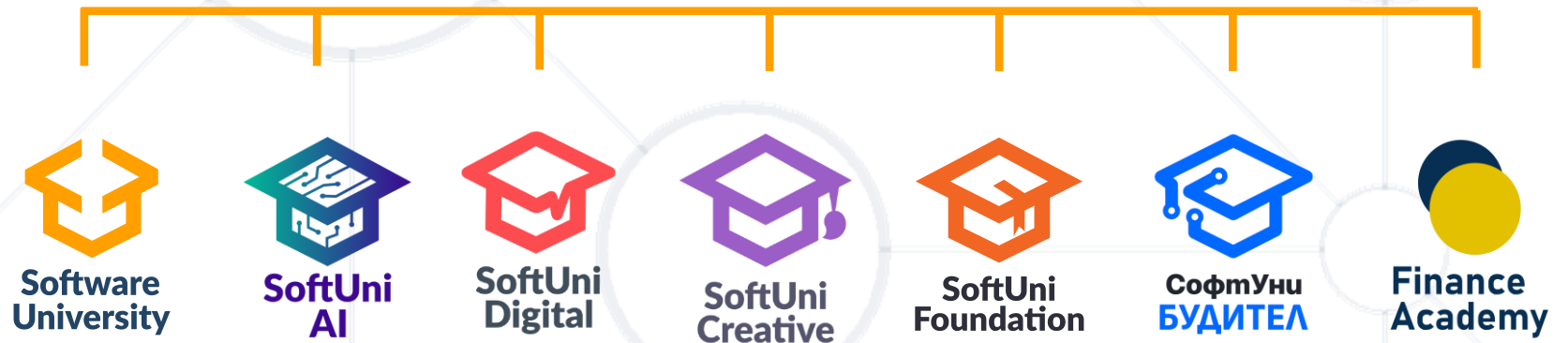
<https://www.facebook.com/groups/programmingfundamentalswithpythonmay2025>

- Python Community Facebook group:

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



Questions?



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