

# Python Fundamentals

## Course Introduction



SoftUni Team

Technical Trainers



**SoftUni**



Software University

<https://softuni.bg/>

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[sli.do](https://sli.do)

**#fund-python**

# SoftUni Diamond Partners

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TECHNOLOGY

**createX**



# 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 at SoftUni
- Master of Cyber Security
- 4+ years of experience on Python
- Interested in JavaScript, Artificial Intelligence and Go
- Involved in researches related to artificial intelligence and machine learning





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





# Course Organization

12-Sep-2023

22-Oct-2023

03-Dec-2023

07-Dec-2023

11-Dec-2023

## Python Fundamentals

12 weeks \* 3 times/week  
12 credits

Start: 12-Sep-2023  
Mid Exam: 22-Oct-2023  
Final Exam: 03-Dec-2023  
Theoretical Exam: 03-Dec-2023

## Re-Take Exams

Mid Exam Retake: 07-Dec-2023  
Final Exam Retake: 11-Dec-2023  
Theoretical Exam: 11-Dec-2023

# 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**

- 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!





# Course, Forum and FB Group

- Official website:

<https://softuni.bg/trainings/4222/programming-fundamentals-with-python-september-2023>

- Official discussion forum:

<https://softuni.bg/forum/categories/784/python-fundamentals>

- Official Facebook group:

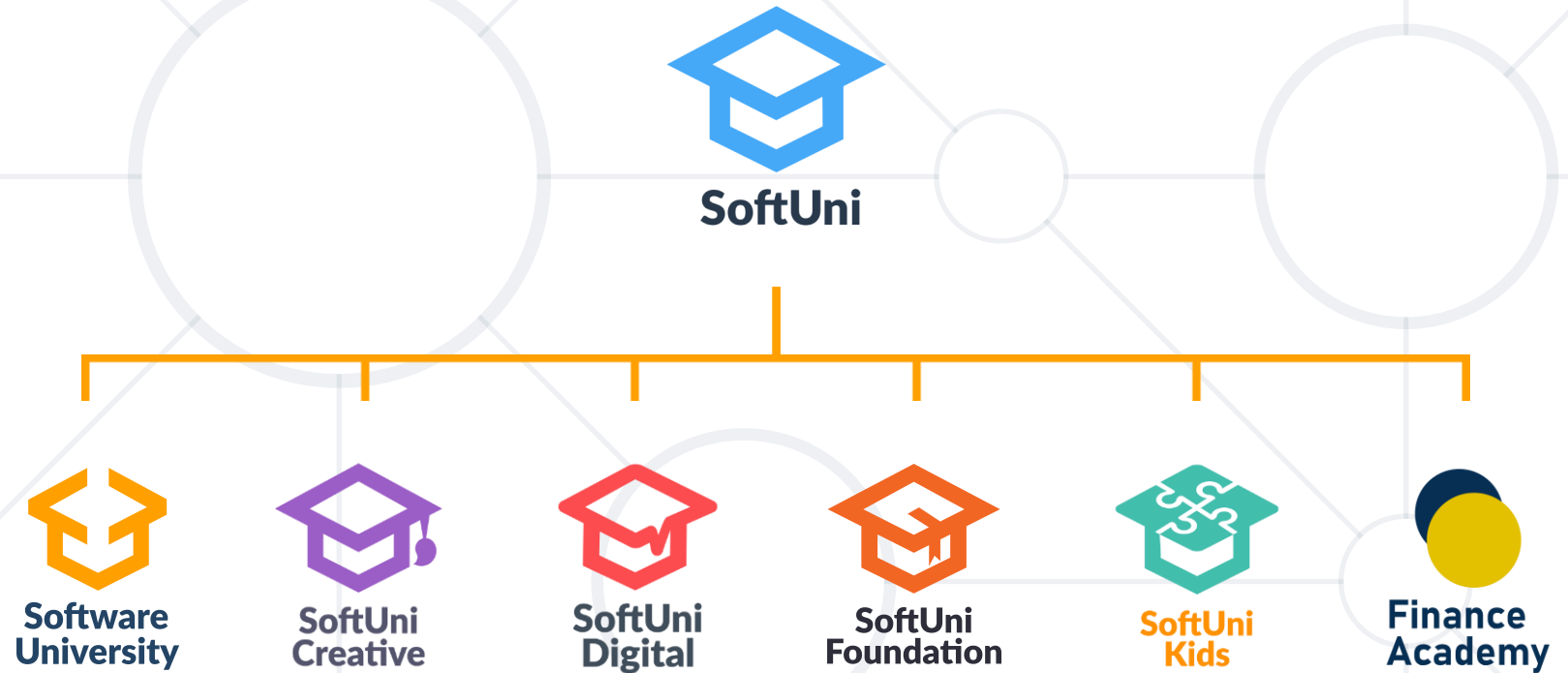
<https://www.facebook.com/groups/ProgrammingFundamentalswithPythonSeptember2023>

- Python Community Facebook group:

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



# Questions?



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

- [softuni.bg](http://softuni.bg), [about.softuni.bg](http://about.softuni.bg)

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