

Algorithms with Python

Course Introduction

SoftUni Team
Technical Trainers



SoftUni



Software University

<https://about.softuni.bg>

1. Course Objectives

- Exam

2. Training and Team

3. Course Organization

- Course Infrastructure
- Homework
- Evaluation Criteria



SoftUni Diamond Partners

**SUPER
HOSTING
.BG**



**Coca-Cola HBC
Bulgaria**



POKERSTARS
POKER | CASINO | SPORTS
a Flutter International brand

INDEAVR
Serving the high achievers



AMBITIONED

 **DRAFT
KINGS**



**SOFTWARE
GROUP**

createX



Postbank

Решения за твоето утре

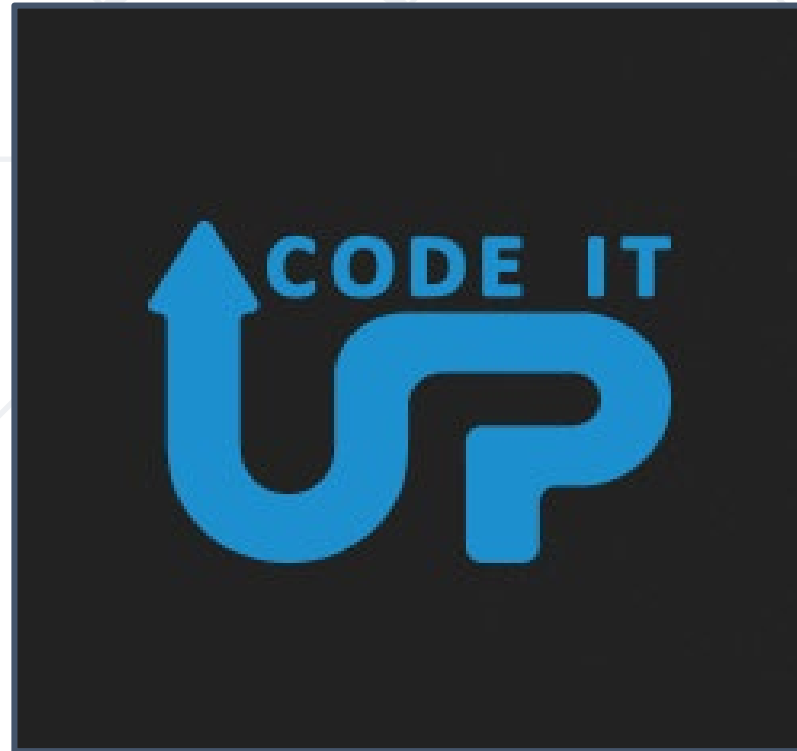


BOSCH

DXC
TECHNOLOGY



SmartIT





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



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

- 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

03-Jul-2023

06-Aug-2023

13-Aug-2023

Algorithms with Python

7 weeks * 2 times / week
6 credits

Start: 03-Jul-2023
Exam: 06-Aug-2023
Retake: 13-Aug-2023

Lectures are **recorded**

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

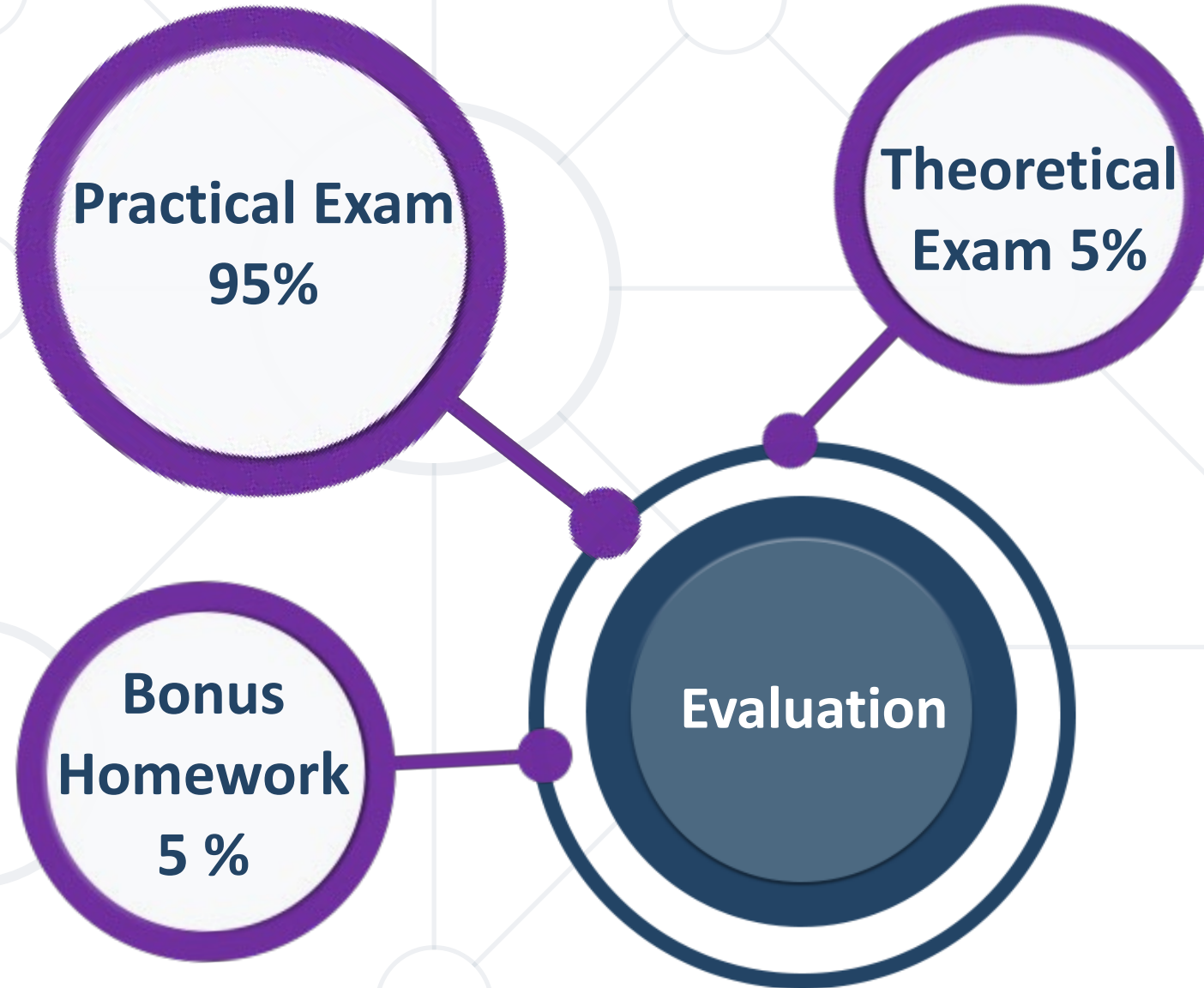
There is one **Live lecture** on **3th August**
from 18:00 to 21:00 – Exam
Preparation + Q & A

Homework Assignments & Exercises

- Your homework:
 - Lesson days → slides + live demos + exercises
- How to submit your homework?
 - Practical problems submitted in the judge system to **5th August**
 - Quick tests
- Do your homework when it's due
 - Assignments pile up quickly



Scoring System for the Course



Course Web Site, Forum and FB Group

- Official web site:

<https://softuni.bg/trainings/4199/algorithms-with-python-july-2023>

- Official discussion forum:

<https://softuni.bg/forum>

- Official Facebook group:

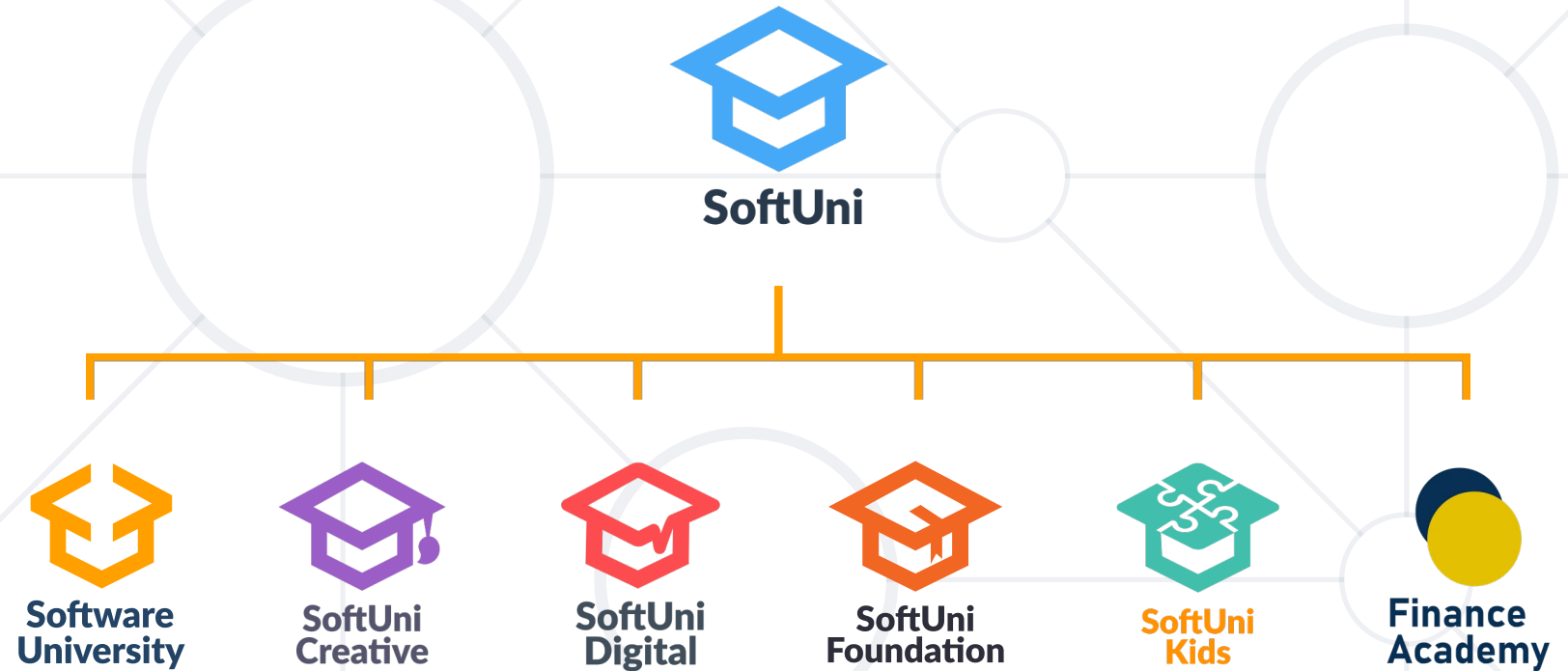
<https://www.facebook.com/groups/AlgorithmswithPythonJuly2023>



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#Algorithms-Python

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