





OOP, Data structures & Algorithms

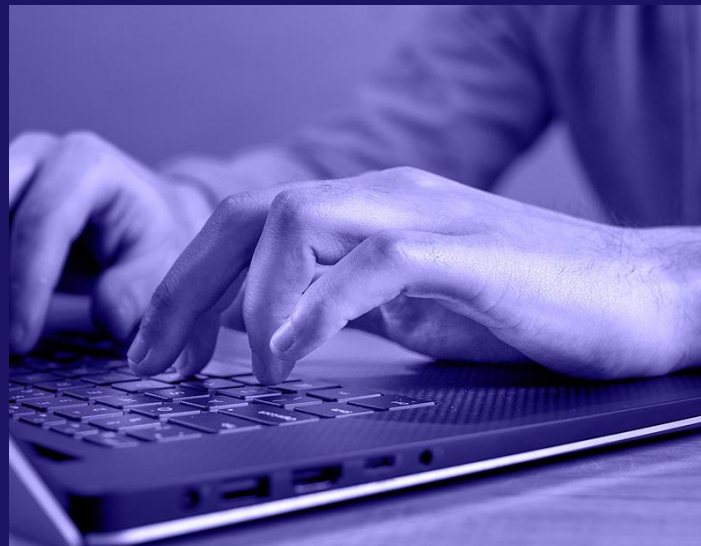
Introduction - week 00

Table of contents

- Who am I?
- Who are **you** and what are your **expectations** about this course?
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- **Entry level** exam?
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Who am I?

- **Hristiyan Genchev**
- Sofia high school of Mathematics (**SMG**)
- Graduated Technology School
Electronic Systems (**TUES**) - 2018
- Currently studying **Computer Science**
in **Sofia University (FMI)**
- Have been doing it **professionally** in
the past **3+** years...





“Programming isn't about what
you know; it's about what you
can figure out.”

– CHRIS PINE

Who are YOU?

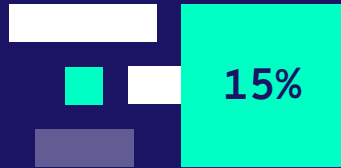


Where to find materials about the course?

All materials will be accessible on

<https://github.com/genchev99/ia-lectures>

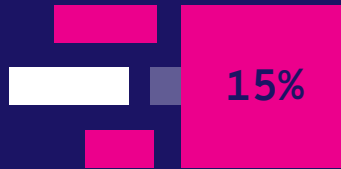
How to pass successfully!?!?



15%

Homework

Mercury is the closest planet to the Sun



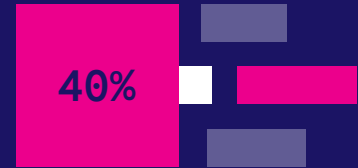
15%

Activity

This part includes the entry level exam

Exams

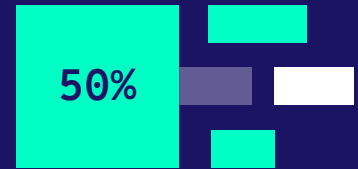
2 semestrial exams
- 20 % each



40%

Final exam

A final exam on everything that we have studied



50%

For a total of: 120%

Roadmap and open questions



Are we going to
follow the program
from MON?



Most likely not...

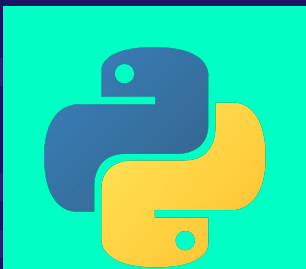
“Посочва основни събития с
мишката”



Programming language and environment

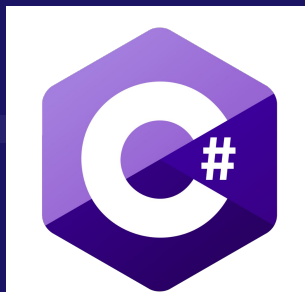
Python

Higher level of abstraction and easy to start with 🕶️



C# or Java

Something in between 🤔



C++

Lower level of abstraction but the etalon for career starting language 😊





Abstraction
of what we are
going to study...

Concepts



OOP

The **bones** - building material



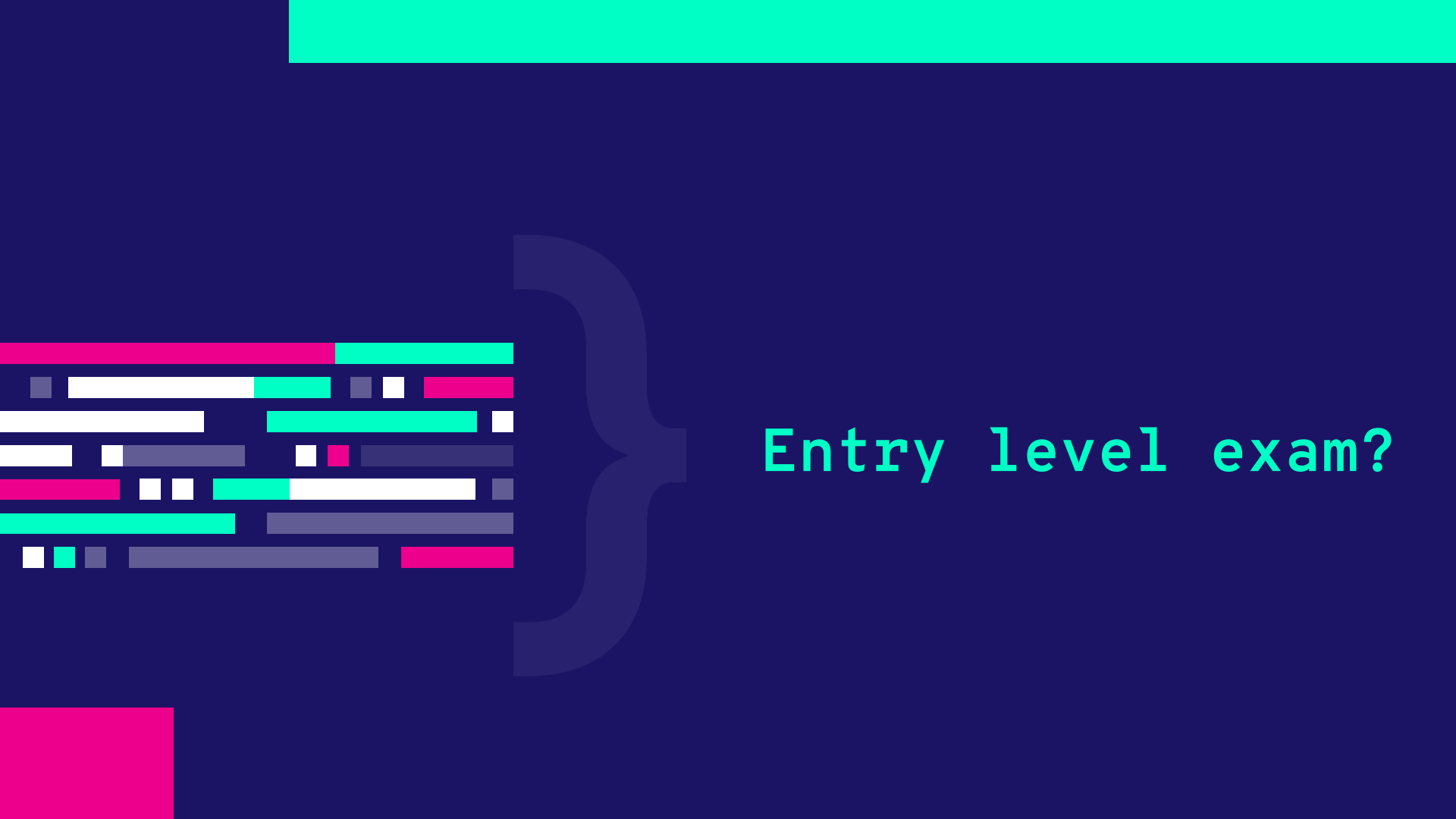
Data structures

The **skeleton** - functional combination of **bones**



Algorithms

The **brain** - what makes the skeleton do things 🧐



Entry level exam?

THANKS!

Do you have any questions?

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