

Python Beginner Course - L1

2nd Iteration May 2023

About This Course

This course is the first level of the Python Beginner series, it will cover the basics of programming from scratch, and introduce **problem-solving**. The course assumes all students do not have any prior programming knowledge. Although it includes **weekly programming assignments**, do not be discouraged! The aim of the assignments is to challenge you and measure your own **progress** through the material.

By the end of the course, students will be able and be expected to build a small game with a teammate using Python.

In all course material, do remember that the instructors are here to help you, so **do not hesitate** to go to them with your questions and inquiries.

Course Schedule

- The duration of the course is 8 weeks.
 - Every week, the students will have:
 - A 1 hour lesson
 - A 1 hour lab session
 - An assignment consisting of four to five questions (To be submitted via Google Classroom)
 - For some lessons, a guest speaker will attend to tell the students about a different aspect of programming careers.
 - Throughout the course, students will work in pairs to build a game that will be presented as their final project.
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Requirements

- All students will need an internet connection and a computer that they can use for around **four hours a week**.
- We expect students to be highly motivated and able to complete their assignments at their own time, **but on time**.

- Students **do not** need to have any programming knowledge at the time of enrollment.
 - This course is **not** exclusive for those who want to study computer science and engineering.
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Course Topics

- Intro to programming: What is a computer? What is programming?
 - Intro to Python: What is Python and what are its main uses?
 - Python syntax and variable types
 - Arithmetic operations
 - Boolean arithmetic basics
 - String manipulation
 - Input scanning
 - For loops and While loops
 - Lists
 - Functions
 - File Input/Output
 - What are the future careers for a programmer
 - How students can use programming in different fields
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Questions?

Please don't hesitate to contact us with any questions by:

- ✉ emailing us at moubarmijah.lb@gmail.com
- 📷 sending us a DM on our Instagram [@moubarmijah.lb](https://www.instagram.com/moubarmijah.lb)
- 📞 contacting us on Whatsapp on the number +961 76 840 087

We hope to hear from you soon!
Best,

The Moubarmijah Team

