

# Python Beginner Course - L1

1st Iteration March 2023

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## 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.

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## Course Schedule

- The duration of the course is 6 weeks.
  - Every week, the students will have:
    - A 1 hour lesson
    - A 1 hour lab session
    - An assignment consisting of three to four 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.
  - › This course is for **women only** in grades 10, 11, or 12 in high school.
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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
  - › Lists
  - › 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](mailto:moubarmijah.lb@gmail.com)
- 📷 sending us a DM on our Instagram [@moubarmijah.lb](https://www.instagram.com/moubarmijah.lb)

We hope to hear from you soon!  
Best,

The Moubarmijah Team

