

Python Course Level 2

January - March 2024

About This Course

This course is the second level of the Python course series. It will cover some advanced topics in programming. The course assumes you have prior knowledge in python or you have completed our Python L1 course.

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 full project 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 1.5 hour lesson
 - A 1.5 hour lab session
 - An assignment consisting of four to five questions (To be submitted weekly)
 - 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 **need** to have any programming knowledge in python;
 - Students who have completed python L1 at Moubarmijah are eligible to enroll in this course
 - Others should pass our assessment test (Will be sent to you by email after you apply)
 - This course is **not** exclusive for those who want to study computer science and engineering.
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Course Topics

- Revision for topics covered in Level 1
 - 2D Lists
 - Object Oriented Programming: Classes, Objects, Scope, Extension
 - Recursion
 - Searching Algorithms
 - Sorting Algorithms
 - Sets
 - Big O notation
 - Exceptions
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Course Policy

- **Attendance:** Attendance in this course is **mandatory**. Students should attend all the **lectures and labs**. The maximum allowed unexcused absences is two. Failure to show up for more than two sessions and failure to provide a valid excuse will lead to the student being **involuntarily** dropped from class.
- **Grading:**

Assignments	50%
Project	30%
Attendance	10%
Participation	10%

Note that the course's **passing grade is 75%**. Only by achieving this score, you will a certificate of completion.

So make sure to reach out to your instructor whenever you are facing problems in the course.

Questions?

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

- ✉ emailing us at code@moubarmijah.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

