Data Structures and Algorithms I in Python
Acme-Tutors
Python

Instructor:	Hubert Weng	**Location:**	Zoom Meeting
Email:	tutors@acme-nyc.com	**Group Day/Time:**	Sundays, 4:00 PM - 6:00 PM
Phone:	646-280-7089		
Start Date:	March 12, 2023		
Term:	Spring 2023		

GROUP DESCRIPTION

This group is for Data Structures and Algorithms I in Python programming. This is an uncomplicated introduction to basic functional and object oriented programming paradigms in Python and algorithmic problem sets with data structures and a complementary group to Data Structures and Algorithms II in Python.

GROUP OBJECTIVES

- To build understanding of algorithms and data structures in Python.
- To develop an adequate working knowledge to be able to build algorithms and data structures in Python.
- Understand the syntax and semantics of the langauge.
- Engage in active discussions.
- Build algorithms in Python in the lab sessions.

PREREQUISITES

Prior experience with Python. Optimism and interest in the subject. Any prior experience with another programming language is a plus.

TEXTBOOK: *Data Structures and Algorithms in Python*, Wiley

TENTATIVE SCHEDULE

Week	Description
1	Algorithm Analysis
2	Lab
3	Recursion
4	Lab
5	Array-based Sequence
6	Lab
7	Stacks, Queues, and Deques
8	Lab
9	Linked Lists
10	Lab
11	Trees
12	Lab