CodeIT: Introduction

Programming Fundamentals

Overview

Computer Science is the future, but do you know where to start?

There may be thousands of Computer Science courses on the Internet, but what is often overlooked are the core workings of Computer Science. As such, we hope to impart the foundational understanding of programming to our students through our CodeIT Introduction: Programming Fundamentals course.

Key Outcomes

1 Gain a strong foundation in programming methodologies and understand Python as a Programming Language

2 Learn how programs can be applied to solve world real problems and applications

3 Learn how to adopt computational thinking practices in problem solving

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Curriculum

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LESSON 1: DATA & LOGIC

- Learn about **variables**, **data types** and **conditionals**
- Implement a program to grade check an examination score!

LESSON 2: LISTS & LOOPS

- Learn to **add structure** to your data and manipulate structure with **lists & loops**
- Implement a program to calculate the score of a scrabble word!

LESSON 3: FUNCTIONS & FILES

- Learn about a core tenet of programming: **abstraction, through functions**
- Implement a program to derive insights from stock positions!

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Contact Us

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