

Course: Java Basics

Course Objectives:

By the end of this course, students will be able to understand the fundamental ideas of Java and explain them in detail. Students will have an easier time to build off their knowledge when it comes to more advanced and harder concepts because of their strong base. This course will be interactive, with students coding on their own after learning about the concepts. Instructors will be there to explain the ideas, and answer questions as well as guide the students through their coding adventures.

The course will be taught primarily through a presentation, with practice problems as we go through to make sure the information is being absorbed and understood. At the end, students will have a task to complete applying the information students have learned.

When: Every Sunday evening from 5-6 pm EST from Sep 11 2022 – Oct 16 2022

Where: Google Meet using GDB Online

Curriculum:

Lesson 1 - Variables and Data Types

- Learning about what a variable is useful for, the types of variables, and how to declare variables using various data types to store information using accurate naming conventions.

Lesson 2 - Object-Oriented Java

- Learning about classes and objects and how to declare them using variables and data types

Lesson 3 - Conditionals and Control Flow

- Learning about the variations of conditions and possible outcomes and tying them into real-life situations

Lesson 4 - Loops

- Learning about the types of loops and the correct situations to use each one as well as how to nest loops

Lesson 5 - String Methods

- Learning about the uses of the string class and how to manipulate the data inside using string methods

Lesson 6 - Final Project

- Students will bring it all together with one final project

Contact Us:

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