Python class for beginners

Learn Python programming fundamentals from the ground up in this two-day course. This class is for those wanting to learn Python for web development, data science, machine learning, automation, and cyber security. Whether you are learning Python as your first programming language, or looking to add Python to your existing skills, this introductory Python class gets you started quickly with expert guidance from a live instructor.

Introductory Python Class topics:

- Introduction to Python and Python use cases
- Creating a Python development environment
- Using Variables in Python
- Working with Data Types
- Working with Strings
- Using Math with Ints and Floats in Python
- Creating and working with Lists & Tuples
- Working with Dictionaries
- Flow control using if/else
- Creating reusable code with functions
- Creating an application
- Reading and writing to CSV files with Python
- Integrating Python with HTML and web pages

Learn fundamentals of programming in Python with an introduction to Python and its various use cases in web development, data analysis, artificial intelligence, scientific computing, and more. Learn to set-up a development environment and gain familiarity with the basics of programming with Python through hands-on exercises, including using variables to store information, and working with different data types to handle numbers, text, and complex data structures.

Learn to work with strings, to manipulate text, and to perform mathematical operations with integers and floating-point numbers. The Python class also teaches you how to create and manipulate lists and tuples, which are essential for storing collections of data, as well as dictionaries, which allow you to organize data in a key-value format.

In this Python class you will learn to use flow control with if/else statements to make decisions in your code, and you'll see how to create reusable code blocks with functions, which makes your code more modular so that it can easily be used in other projects.

You will also apply your knowledge to create real-world applications that write and read to CSV files, a common requirement in data processing tasks. You will also learn how to integrate Python with HTML and web pages, understanding how Python can be used in web development and data-driven web applications.

Visit the AGI website to learn more about this Python course.