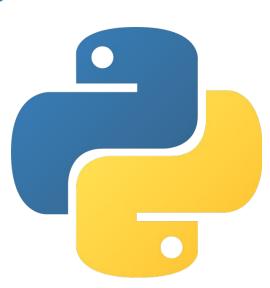# What Will I Learn?

Overview

- **Introduction to Computer Science**

- **Code Python on the Web**

- **Python Variables**

- **The Number Doctor: Python Operators**

- **The String Doctor: Operate on Strings**

- **The List Ninja**

- **If Statements**

Introduction to Computer Science

- **What is Python?**

- **How do Computers Make Decisions?**

- **What is an Algorithm?**

- **How Do Computers Repeat Tasks?**

- **How Can Computers Search for Data?**

- **How Can Computers Sort Data?**

- **How Fast Are Algorithms?**

- **What is the Binary Number System?**

Code Python on the Web

- **What is Google Colab?**

- **What If I Get Errors?**

- **How Do I Terminate a Session?**

- **How Do I Enable Corgi Mode?**

Python Variables

- **What is a Variable?**

- **What are Data Types?**

- **What is a Boolean?**

- **What are F Strings?**

The Number Doctor: Python Operators

- **Simple Arithmetic Operators**

- **Modulo Arithmetic Operator**

- **Floor Division**

- **Exponents**

- **Less or Greater**

- **Can I Check Equality?**

- **BEDMAS Order of Operations**

The String Doctor: Operate on Strings

- **Can I Add Strings?**

- **Can I Add String Variables?**

- **Can I Operate on Strings and Integers?**

The List Ninja

- **Can I Make a List Variable?**

- **Can I Compare Lists?**

- **Watch Out! Don't Make This List Mistake**

- **Can I Get an Item from a List?**

- **List Ninja! Can I Slice a List?**

- **Can I Check if an Item is in a List?**

- **Can I Add Items to a List?**

- **Can I Delete Items from a List?**

If Statements

- Can I Make an If Statement?

And much more!

What Will I Learn? ✔

Don't miss the next lecture...