

FUN WITH PYTHON COURSE CONTENT

INTRODUCTION TO PYTHON

- WHY PYTHON
- PYTHON INSTALLATION AND ENVIRONMENT
- WORKING WITH IDLE

CALCULATIONS AND VARIABLES

- CALCULATING WITH PYTHON
- PYTHON OPERATORS
- ORDER OF OPERATION
- USING VARIABLES

STRINGS, LISTS, TUPLES

- Creating and Handling Strings
- EMBEDDING VALUES & MULTIPLYING STRINGS
- POWER OF LISTS
- Adding Items to and Removing Items from List
- LIST ARITHMETIC
- TUPLES

DRAWING WITH TURTLES

- USING PYTHON'S TURTLE MODULE
- CREATING CANVAS
- MOVING THE TURTLE

ASKING QUESTIONS WITH IF AND ELSE

- IF STATEMENTS
- IF-THEN-ELSE STATEMENTS
- IF AND ELIF STATEMENTS
- COMBINING CONDITIONS

GOING LOOPY

- FOR LOOPS
- WHILE LOOPS

RECYCLING YOUR CODE WITH FUNCTIONS AND MODULES

- Using Functions
- VARIABLES AND SCOPE
- USING MODULES
- Built-In Functions

FILE HANDLING

- Creating Files
- OPENING FILES
- WRITING TO FILES

INTRODUCTION TO OOPS

- CLASSES
- ADDING OBJECTS TO CLASSES
- Defining Functions and Classes
- Why Use Classes and Objects

WRITING SOME COOL PROGRAMS

- 1. MATH APPLICATION
- 2. Caesar Cipher
- 3. Guessing Game
- 4. Random Spirals
- 5. ROCK PAPER SCISSORS

