

# PYTHON MASTER CLASS

- + Introduction to Python

## PYTHON NOTEBOOKS

- + Installing & Working with Python IDLE
- + Configuring Environmental Variables - Command Window
- + Installing Anaconda Navigator (Jupyter Notebook)
- + Working with Anaconda Navigator (Spyder Notebook)
- + Working with Google Colab
- + Working with Pycharm
- + Working with Libraries

## PYTHON OBJECT & DATA STRUCTURE

- + Simple Arithmetic
- + Introduction to Strings
- + Indexing and Slicing with Strings
- + String Properties and Methods
- + Print Formatting with Strings
- + Lists in Python
- + Dictionaries in Python
- + Tuples with Python
- + Sets in Python
- + Booleans in Python

# WARRIORS WAY COACHING PROGRAM

- + I/O with Basic Files in Python
- + Python Objects and Data Structures

## PYTHON OBJECT & DATA STRUCTURE

- + Comparison Operators in Python
- + Chaining Comparison Operators in Python with Logical Operators

## PYTHON STATEMENTS

- + If Elif and Else Statements in Python
- + For Loops in Python
- + While Loops in Python
- + Useful Operators in Python
- + List Comprehensions in Python

## METHODS & FUNCTIONS

- + Methods and the Python Documentation
- + Introduction to Functions
- + Basics of Python Functions *Easier than you Think*
- + Logic with Python Functions
- + Tuple Unpacking with Python Functions
- + \*args and \*\*kwargs in Python
- + Lambda Expressions, Map, and Filter Functions

## OBJECT ORIENTED PROGRAMMING

# WARRIORS WAY COACHING PROGRAM

- + Attributes & Class Keyword
- + Class Object Attributes and Methods
- + Inheritance and Polymorphism
- + Special(Magic/Dunder) Methods

## MODULES AND PACKAGES

- + **name** and **"main"**
- + Errors and Exceptions Handling
- + Pylint Overview

## DECORATORS & GENERATORS

- + Decorators with Python Overview
- + Generators with Python

## ADDITIONAL PYTHON MODULES

- + Python Collections Module
- + Opening and Reading Files and Folders
- + Python Datetime Module
- + Python Math and Random Modules
- + Python Debugger
- + Python Regular Expressions
- + Timing Your Python Code
- + Zipping and Unzipping files with Python
- + Setting Up Web Scraping Libraries
- + Grabbing a Title
- + Grabbing an Image
- + Book Examples

# WARRIORS WAY COACHING PROGRAM

## WORKING WITH IMAGES

- + Introduction to Images with Python

## WORKING WITH FILES

- + Working with CSV Files in Python
- + Working with PDF Files in Python

## EMAILS WITH PYTHON

- + Sending Emails with Python
- + Receiving Emails with Python

