

Python Class #1

Course Outline

Course introduction

Python setup

Python Objects and Data Structure basis

Python comparison Operator

Python Statements

Methods and Functions

OOPS Concept

Python Packages and Libraries

Error troubleshooting

Python Decorators

Python Generators

Final Capstone Python Project

Advanced Python Modules

Advanced Python Objects and Data Structures

Course Introduction

Python is Interpreted

Python is Interactive

Python is Object-Oriented

Python is platform independent

Characteristics of Python

It supports functional and structured programming methods as well as OOP.

It can be used as a scripting language or can be compiled to byte-code for building large applications.

It provides very high-level dynamic data types and supports dynamic type checking.

It supports automatic garbage collection.

What is Garbage Collection

Python delete unwanted objects automatically to clear the memory.

Python reclaim the block of memorys that no longer required.

The process by which Python periodically frees and reclaims blocks of memory that no longer are in use is called Garbage Collection.