Unit of WTPL, ISO Certified Company Since 2007

Duration: 6 weeks | Certified Training

About the 'Programming with Python' Training

The Classroom training,Programming with Python,is a 6-week training program covering essential concepts on the building blocks of Python, object-oriented programming, the use of MYSQL database and development of GUIs for Python applications. This training program has been created by Webx to make the process of learning enjoyable yet effective.

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1. Introduction to Python

Learn how to install Python, distinguish between important datatypes and use basic features of the Python interpreter, IDLE.

Installation of Python
Using the Python Interpreter IDLE
Salient Features of Python
Basic Syntax of Python

2. Using Variables in Python

Learn about numeric, string, sequence and dictionary data types and relevant operations while practicing Python syntax.

Data Types and Variables
Numeric Data Types
String Data Type
Sequence Data Type
Dictionary Data Type
Assignment

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3. Basics of Programming in Python

Learn how to write programs using conditionals, loops, iterators and generators, functions and modules and packages.

Understanding Programs and Programming
Using Conditionals
Using Loops
Using Functions
Using Functions from Built-in Modules
Constructing Modules and Packages
Assignment

4. Principles of Object-oriented Programming (OOPS)

Learn about the important features of Object-oriented Programming while using Classes and Objects, two main aspects of the OOPS paradigm.

Overview of OOPS
Declaring Class and Creating Object
Understanding Inheritance
Using Magic Methods
Assignment

5. Connecting to MYSQL Database

Learn about relational databases while learning how to store and retrieve data from an MYSQL database through Python.

Introduction to MYSQL
Creating an MYSQL database
Accessing MYSQL Database through Python
Assignment

6. Application of Python in Various Disciplines
Learn about various resources to extend your learning for the Python programming language.

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