

Python Programming Using Django

Description

Our Python Training Course will give you all the knowledge needed to work on the Python platform. This python course will enable you to develop website and register on web server to show the world your creativity. Some important topics covered in this training are Python introduction, its components and the various resources, the process of creating Modules, the method of using class, and the different predefined Modules, Lists, Dictionary, Inbuilt functions, the MySQL database and Working in the Web server using Django.

Expectations and Goals

To create a proper and good website using less amount of code.

Prerequisites

No pre-requisite required

Course Schedule

Module	Topic
Module 1	Introduction to Python History of Python Using Python Interpreter The Interpreter and its Environment Using Python as Calculator First Step towards Programming
Module 2	Basic Syntax Python Identifiers Python Keywords Python Comments in Python Command Line Arguments Parsing Command-Line Arguments
Module 3	Variable Types Assigning Values to Variables Multiple Assignment Standard Data Types Python Numbers Python Strings Data Type Conversion
Module 4	Python Datastructure Introduction to List Work on Tuples Sets Dictionary List Comprehension
Module 5	Conditional and Iterative statements If Statements Looping Techniques for Statements The range function BREAK Statement
Module 6	Basic Operators Types of Operators Python Arithmetic Operators

	<p>Python Comparison Operators</p> <p>Python Assignment Operators</p> <p>Python Logical Operators</p> <p>Python Identity Operators</p> <p>Python Operators Precedence</p>
Module 7	<p>Functions</p> <p>Defining a Function</p> <p>Calling a Function</p> <p>Global vs. Local variables</p> <p>Locating Modules</p> <p>Creating Modules</p>
Module 8	<p>Files I/O</p> <p>Printing to the Screen</p> <p>Reading Keyboard Input</p> <p>The input Function</p> <p>Opening and Closing Files</p> <p>The open Function</p> <p>The file Object Attributes</p> <p>The close() Method</p> <p>Reading and Writing Files</p> <p>The write() Method</p> <p>The read() Method</p>
Module 9	<p>Introduction to Django</p> <p>What is Django?</p> <p>Django and Python</p> <p>Django's take on MVC: Model, View and Template</p> <p>DRY programming: Don't Repeat Yourself</p> <p>How to get and install Django</p>
Module 10	<p>Getting started with Django</p> <p>Important Core Files:</p> <p>Templates</p> <p>Adding static files</p> <p>Models and Databases</p> <p>Admin Interface</p> <p>MVT- In details</p>
Module 11	<p>Forms and Validations</p> <p>Forms</p> <p>Validation</p> <p>Relative URL</p> <p>Template Inheritance</p>
Module 12	<p>Advanced Django</p> <p>Django's in-built User</p> <p>Registration</p> <p>Login</p> <p>Logout</p> <p>Generic Views</p> <p>CRUD Implementation</p>
Module 13	Project work and documentation