



Core Python Programming 3 Months Training Program



Why Choose us

- ✓ 100% Placement Support
- ✓ Training on Live Projects
- ✓ Modern Facilities
- ✓ Monthly Mock Interviews
- ✓ Smart Classes
- ✓ Pair Programming With Industry Experts



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training.zestgeek.com

+91-99885-34287

@info@zestgeek.com

OUR COURSE INCLUDE

Month 1 : Core Python

Introduction

- ✓ History , features & area of application of Python Programming language
- ✓ Identifiers & keywords
- ✓ Commonly used built-in types
- ✓ Operators – precedence & associativity
- ✓ Indentation & comments
- ✓ Commonly used built in functions – print(), input(), int(), float(), divmod()
- ✓ Introduction to IDLE – Interactive & Script mode

Control flow statements

- ✓ Simple for loops in python
- ✓ For loop using ranges, string, list and dictionaries
- ✓ Use of while loops in python
- ✓ Loop manipulation using pass, continue, break and else
- ✓ if statement
- ✓ Programming exercises

Functions

- ✓ User defined & Built-in -Functions
- ✓ Powerful Lambda function in python
- ✓ Modules & Packages
- ✓ Programming Exercises

File Handling

- ✓ Reading and writing text files
- ✓ Methods of file objects
- ✓ Using with keyword when using file objects
- ✓ Manipulating file pointer using seek

Exception Handling

- ✓ Syntax error
- ✓ Exceptions
- ✓ Handling exceptions – try, except & else clause
- ✓ Raising Exceptions
- ✓ User defined exceptions

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Month 1 : Core Python

Object oriented programming

- ✓ Concept of class, object and instances
- ✓ Initializer, class attributes and finalizer
- ✓ is-a relationship and has-a-relationship
- ✓ Inheritance, Method overriding and overloading operators
- ✓ Programming using Oops support
- ✓ Concept of private variables
- ✓ static & class methods

Regular Expressions – re module

- ✓ Pattern matching and searching using regular expressions
- ✓ Password validation using regular expressions
- ✓ Pattern finding programs

Month 2

SQL Database – Mariadb

- ✓ Introduction
- ✓ Installation
- ✓ Mariadb python connectivity
- ✓ Operators
- ✓ String functions, aggregate functions, control flow functions
- ✓ Select statement and its usage
- ✓ Create, read, update, delete operations using python
- ✓ Joins

HTML & CSS

- ✓ Introduction to HTML 5
- ✓ HTML head, title, meta & body tag
- ✓ HTML attributes and values
- ✓ HTML elements - p, div, h1-h6, list, tables, forms
- ✓ CSS – class & id attributes, borders & colours
- ✓ BOX Model
- ✓ Flex & grid
- ✓ Media query

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OUR COURSE INCLUDE

Month – 3

Django

- ✓ Introduction to MVT architecture
- ✓ Django folder structure and flow of control
- ✓ Template rendering
- ✓ Crud operations in Django
- ✓ Working with django forms
- ✓ Cookies and sessions in Python
- ✓ Table relations in Django
- ✓ Django REST Framework
- ✓ Writing serializers & REST API Methods
- ✓ Token Generation
- ✓ Routing API's
- ✓ GIT
- ✓ Postman

Project and Exploration of Django framework

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