

Python Certificate Course

Course Overview

Python is a high-level, interpreted programming language that emphasizes code readability and simplicity. It was created by Guido van Rossum and released in 1991. Python has gained immense popularity due to its versatility and wide range of applications. Here are some key features and aspects of Python:

some key features and capabilities

- **Readability:** Python code is designed to be easy to read and understand, making it an excellent choice for beginners and experienced programmers alike. Its syntax uses indentation and a clean, expressive style.
- **Versatility:** Python can be used for various purposes, including web development, scientific computing, data analysis, artificial intelligence, machine learning, automation, scripting, and more. It offers a rich ecosystem of libraries and frameworks tailored to different domains.
- **Interpreted Language:** Python is an interpreted language, which means that it does not need to be compiled before running. This makes it highly accessible and allows for rapid development and prototyping.
- **Object-Oriented Programming (OOP):** Python supports object-oriented programming, allowing you to create reusable and modular code. You can define classes, create objects, and apply OOP principles like inheritance, encapsulation, and polymorphism.
- **Extensive Standard Library:** Python comes with a comprehensive standard library that provides a wide range of modules and functions for various tasks. It includes modules for file I/O, regular expressions, networking, web development, database access, and more.
- **Large Third-Party Ecosystem:** Python has a vast ecosystem of third-party libraries and frameworks created by the Python community. These libraries extend Python's capabilities and provide specialized tools for specific tasks. Examples include NumPy, Pandas, TensorFlow, Django, Flask, and many more.
- **Cross-Platform Compatibility:** Python is a cross-platform language, meaning that you can develop and run Python code on different operating systems such as Windows, macOS, and Linux. This portability makes it convenient for developing applications that need to work across multiple platforms.

Pre-Requisites

- Basic Programming Concepts
- Mathematics and Logic
- Operating System Knowledge
- Command Line Basics

Remember, while these pre-requisites can be helpful, they are not strict requirements. Python's simplicity allows beginners to start learning and writing code quickly. As you progress in your Python journey, you will gain a deeper understanding of programming concepts and develop stronger skills in Python development.

Benefits of Learning Python

Learning Python offers numerous benefits and advantages. Here are some of the key benefits of learning Python:

- Versatility and Wide Range of Applications
- Rapid Development and Prototyping
- Abundance of Libraries and Frameworks
- Integration and Compatibility
- Career Opportunities
- Future-Proof Skills

learning Python provides you with a powerful and versatile toolset, a supportive community, and diverse career opportunities. Whether you are a beginner or an experienced programmer, Python can enhance your productivity and enable you to tackle a wide range of projects efficiently.

Related Job Roles

- Python Developer
- Web Developer
- Data Scientist
- Machine Learning Engineer
- DevOps Engineer

These are just a few examples, and the demand for Python skills extends to various other job roles. Python's versatility and extensive libraries make it applicable to different industries, including finance, healthcare, e-commerce, entertainment, and more.

Available Training Options

- Online/Offline
- Weekdays Batches
- Weekend Batches
- Course - Duration: 45 Days
- Mode of Training - Online - Live Online Classes
- Daily 1Hr (Need to have a laptop or Computer with Good Internet)

Dedicated Trainer, Practical sessions. One-on-One Live Training Session with Hands-on Practical Training. For fees details and discounts whatsapp on Phno: +91 8050123030

Python Training Syllabus

Introduction to python

- History
- Features
- Setting up path
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator

Conditional Statements

- If- else
- elif
- Nested if-else

Looping

- For
- While
- Nested loops

Control Statements

- Break
- Continue
- Pass

String Manipulation

- Accessing Strings
- Basic Operations
- String slices
- Function and Methods

Lists

- Introduction
- Accessing list
- Operations
- Working with lists
- Function and Methods

Tuple

- Introduction
- Accessing tuples
- Operations
- Working
- Functions and Methods

Dictionaries

- Introduction
- Accessing values in dictionaries
- Working with dictionaries
- Properties
- Functions

Functions

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables

Modules

- Importing module
- Math module
- Random module
- Packages
- Composition

Input-Output

- Printing on screen
- Reading data from keyboard
- Opening and closing file
- Reading and writing files
- Functions

Exception Handling

- Exception
- Exception Handling
- Except clause
- Try ? finally clause
- User Defined Exceptions

Advance Python

OOPs concept

- Class and object
- Attributes
- Inheritance
- Overloading
- Overriding

Regular expressions

- Match function
- Search function
- Matching VS Searching
- Modifiers
- Patterns

Multithreading

- Thread
- Starting a thread
- Threading module
- Synchronizing threads
- Multithreaded Priority Queue

GUI Programming

- Introduction
- Tkinter programming
- Tkinter widgets

For Registration/ Customization of Course / Course Fees

Call / What's app on:	+91 8050123030
Duration:	45 Days
Mode of Training:	Online
Weekdays:	Monday-Friday
Weekends:	Saturday and Sunday

Student Review

Arvind Raju

From : Oman

I've taken up the Advance Python & Arcpy classes from this institute with trainer Mrs. Roselynn is very knowledgeable and teaches the course topics with great detail. Everything was easy to understand and I was always helped with doubts until it was completely rectified. I would definitely recommend this Institute to anyone wanting to learn Python or any of the other courses they offer.

Ullash Ghosh

From : Kolkatta

Excellent teaching of Advance Python programming by experienced trainer. Flexible timings. It was an awesome experience.

Jahir Hussain

From : Qatar

Its Helped me to identify clear, be able next steps towards resolving my own workplace conflict and issues.

Ayeesha H

From : Bangalore

Great knowledge given by the mentor, Best training institution. Mam has explained all the topics very clearly.

Student Review

Vishnu vg From Kerala

My trainer, has a very good command over all the topics. She has explained each topic very clearly. We got a good understanding of all the concepts as she used to write programs daily for the real time scenarios. She make us practice during the classes. Overall I could say, you will be gaining good hands-on and understanding by end of the course

Eshawar Rao From Hubli Dharwad

Excellent Faculty, Excellent Knowledge about subject, madam gives Attention towards every individual student, Madam is having enough Patience in clearing all individual doubts, Overall Excellent training centre to learn and to grow.

Siddhi Kanekar From Pune

Best training institution. Mam has explained all the topics very clearly.
Thank you so much mam for being part of your institution.

Aghil Dev From Orisa

I happy to be a student of rose mam, as she was always present to help. My classes were good and helped me in understanding the concept. Thanks rose mam

Gaurav Chauhan

Position: GIS Analyst

Company:

Carifer Technologies Private Limited
Chennai

Salary: 13 LPA

Harisha

Position: GIS Analyst

Company:

GVS Technosoft Pvt. Ltd
Salary: 10 LPA

Ankit Hemnani

Position: Software Engineer .Net

Company:

Celtic System Pvt.Ltd
Salary: 7.5 LPA

Harish Vijayakumar

Position: Project-Assosiate

Company:

Cognizant Technology Solutions India
Private Limited
Salary: 12 LPA

KIRAN B

Qualification: MBA

Position: Business Head

Experience: 18 Years

His extensive experience in Operations Management, Client Acquisition, HR & Recruitment, and working with startups, he has demonstrated a track record of success across multiple industries and geographies. Starting from an executive level, he progressed to management positions, where he implemented process improvements to enhance efficiency, increase revenue, and drive growth. His vast network of colleges and training centers has significantly contributed to the development of robust recruitment and training pipelines. Moreover, he has successfully engaged with diverse clients.

NIKHIL S D

Qualification: BE Civil

Position: CAD Trainer (Civil)

Experience: 10 Years

Programing Skills: C,C++

2D And 3D Skills: AutoCad, 3D Max, Staad pro, Solid Works, Revit, Google Sketchup and ArcGIS CityEngine

Highly experienced CAD Civil Trainer with a demonstrated track record of success in delivering comprehensive training and instruction, specifically tailored for civil engineering applications. Committed to empowering learners with the necessary skills and knowledge to excel in their civil design and drafting projects.

RAMESH J

Qualification: BE Mech

Position: CAD CAM Trainer (Mech)

Experience: 6 Years

Programing Skills: C,C++,Python

2D And 3D Skills: AutoCad, Catia, Pro-e, Solid Edge, MatLab, Ansys, Solid Works,

Results-oriented CAD Mech Trainer with a decade of experience delivering exceptional training and instruction in 2D and 3D modeling software for mechanical engineering applications. Committed to equipping learners with the skills and knowledge needed to excel in mechanical design, simulation, and manufacturing.

ROSELEN S B

Qualification: MCA

Position: Programmer And Corporate Trainer

Experience: 12 Years

Programing Skills: Java, Python, AI, Machine Learning, Php, SQL, Full Stack

GIS Skill: Arcpy, ArcGIS JS API, ArcGIS Python API, PostGIS, Web AppBuilder, WebGIS

Highly experienced programming mentor with strong background in various programming languages. With over 12 years of training experience, has successfully mentored more than 3000 students, dedicated to helping aspiring programmers and professionals acquire the necessary skills and knowledge to excel in their programming careers.

KAVITA H

Qualification: MSc.IT

Position: Programing Trainer

Experience: 10 Years

Programing Skills: C, C++, Java, MSSQL, MYSQL Server, C# and good knowledge in Servlets, JSP, EJB Worked on J2EE 1.4 Application Server

Kavita is a seasoned programming mentor and trainer with a decade of experience specializing in Java Servlets and MySQL. She has a strong passion for teaching and guiding individuals in mastering these technologies. kavita's in-depth knowledge and practical experience in Java Servlets and MySQL make her an ideal mentor for aspiring programmers looking to excel in web development

ANKIT H

Qualification: MSc.Geoinformatics

Position: GIS Trainer

Experience: 6 Years

GIS Skills: Arc GIS, Arc GIS Pro, QGIS, IGIS, Fusion X, Auto CAD, MS Office, Google Earth, Bhuvan Portal, Geo-Server, Arcgis online, Microstation

Programing Skills: HTML, CSS, Java script, ArcGIS API for Java script, .Net, Python
Ankit is a highly skilled GIS trainer. Has experience in ArcGIS, QGIS, PostGIS, remote sensing, and network analysis. His expertise lies in the field of spatial data analysis and geospatial technologies. He is passionate about sharing his knowledge and helping individuals develop proficiency in GIS applications for various industries.

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