



# PYTHON PROGRAMMING

 4 Weeks | 24 Hours

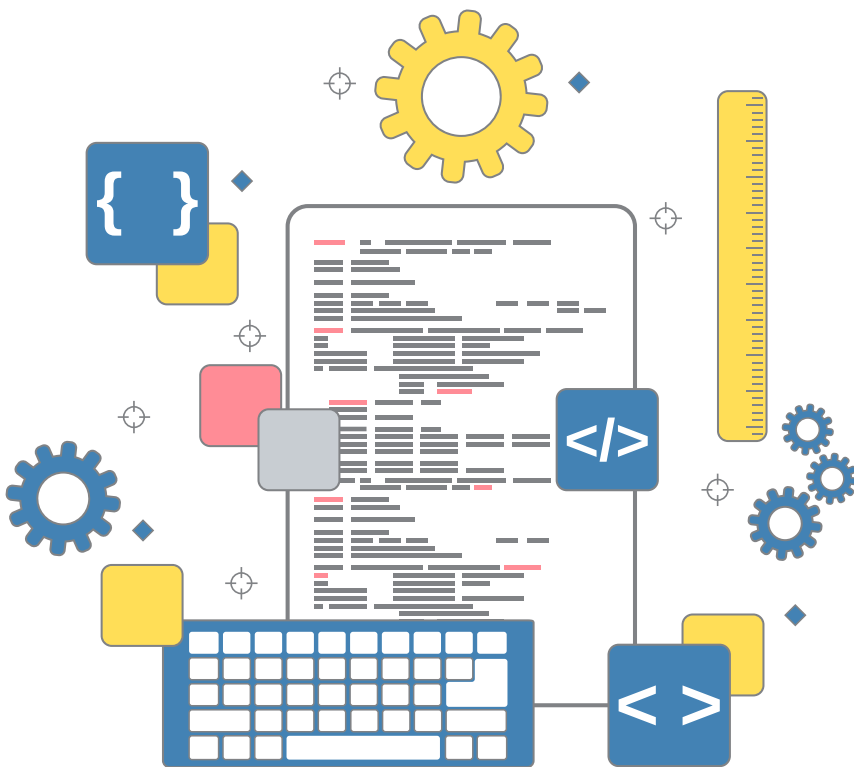
 Weekdays or Weekends



# Overview

---

Welcome to the Python Programming Course! In this course, we will embark on a journey to explore the world of Python, one of the most versatile and popular programming languages in the world. Python is known for its simplicity, readability, and vast community support, making it an excellent choice for beginners and experienced developers alike.



Python has become the go-to language for data science and machine learning projects. Libraries like NumPy, Pandas, TensorFlow, and PyTorch are extensively used for data manipulation, analysis, and building machine learning models. Automation and Scripting



By the end of this Python Programming Course, you will have a solid foundation in Python and be equipped with the skills to tackle a variety of programming challenges. Whether you are a beginner or someone looking to enhance their Python skills, this course will provide you with the knowledge and confidence to excel in the world of programming. Get ready to code in Python!

# Learning Objectives

---



Python is a versatile language applicable across various domains such as web development, data science, machine learning, artificial intelligence, automation, and more.



Python's syntax is designed to be readable and straightforward. The ease of learning accelerates the onboarding process for individuals new to programming.



Python skills are in high demand in the job market. Learning Python enhances career prospects by opening doors to a wide range of job opportunities in various industries.



Python has a vast and supportive community. Learning allows individuals to tap into this resource, gaining access to forums, tutorials, and collaborative projects.



Python is a dominant language in data science and machine learning. It equips individuals with the skills needed to analyze data, build machine learning models.



Python's simplicity and readability make it ideal for rapid prototyping and development. Learning Python enables individuals to quickly turn ideas into working prototypes.

### Structured Curriculum:

A well-organized curriculum that progresses from basic to advanced topics, ensuring a smooth learning journey for participants.



### Interactive Learning Materials:

Engaging and interactive learning materials such as video lectures, coding exercises, quizzes, and projects to reinforce theoretical concepts.



### Real-world Projects:

Integration of hands-on, real-world projects that allow participants to apply their knowledge and gain practical experience.



## Course Features



### Coding Exercises & Challenges:

Regular coding exercises to strengthen skills and reinforce the understanding of programming concepts.



### Online IDEs and Tools:

Integration with online Integrated Development Environments (IDEs) and tools that provide a coding environment without the need for complex software installations.

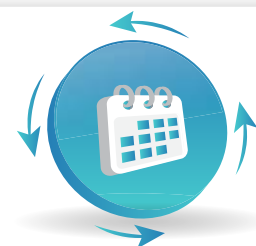


### Practical Tips and Best Practices:

Integration of practical tips, coding best practices, and real-world insights from experienced developers



[View Upcoming Class Schedule](#)



# Course Curriculum

---



## Chapter1: Getting Started With Python

- ▶ Introduction To Python
- ▶ Python Keywords
- ▶ Identifiers
- ▶ Variables
- ▶ Comments
- ▶ Everything Is An Object
- ▶ Data Types
- ▶ Operators
- ▶ Expressions
- ▶ Statement
- ▶ Input And Output
- ▶ Type Conversion
- ▶ Debugging



## Chapter 2 : Flow Of Control

- ▶ Introduction
- ▶ Selection
- ▶ Indentation
- ▶ Repetition
- ▶ Break And Continue Statement
- ▶ Nested Loops



## Chapter 3 : Functions

- ▶ Introduction
- ▶ Functions
- ▶ User Defined Functions
- ▶ Scope Of A Variable
- ▶ Python Standard Library



[Click to WhatsApp Now](#)



Count me in for a  
Free Demo Class





## Chapter 4 : Strings

- ▶ Introduction ▶ Strings
- ▶ String Operations
- ▶ Traversing A String
- ▶ String Methods And Built-In Functions
- ▶ Handling Strings



## Chapter 5 : Lists

- ▶ Introduction To List
- ▶ List Operations
- ▶ Traversing A List
- ▶ List Methods And Built-In Functions
- ▶ Nested Lists
- ▶ Copying Lists
- ▶ List As Arguments To Function
- ▶ List Manipulation



## Chapter 6: Tuples And Dictionaries

- ▶ Introduction To Tuples
- ▶ Tuple Operations
- ▶ Tuple Methods And Built-In Functions
- ▶ Tuple Assignment
- ▶ Nested Tuples
- ▶ Tuple Handling
- ▶ Introduction To Dictionaries
- ▶ Dictionaries Are Mutable
- ▶ Dictionary Operations
- ▶ Traversing A Dictionary
- ▶ Dictionary Methods And Built-In Functions
- ▶ Manipulating Dictionaries



Click to Pay &  
Enroll Now





# OUR PARTNERS



# OUR CLIENTS



1200+ Students Graduated so far



500+ Jobs Fast Tracked



25+ Years of IT experience

# About Us



## IT & Business Solutions

TEAM Solutions is a Leading Professional B2B service Provider in Qatar, we are Passionate about empowering business using cutting edge technology consulting and providing real time business solutions.



## Mentorship & Training

We are specialized B2B Offline / Online training provider on the technology, enterprise software's, analytics & Project management courses.



## PRINCIPAL COUNSELOR

### DINESH R M

MBA FINANCE, MCP, PMP



Experienced Portfolio Program & Project Manager



PMI Authorized Training Partner - Instructor



Mentor & Coach for Project Management, Risk Management, Data Science, Entrepreneurship & Business Management

## COURSE TRAINER >>>

### MULLAI. T

MSC, M Phil

- Specialist in IT Training & Software Development
- ORACLE, ICDL Certified
- DOT NET programming & Advanced Diploma In Computer Programming





# CONNECT WITH US

## TEAM ACADEMY



  +974 66230468

 Regus Building, D-Ring Road, Doha, Qatar

 [dinesh@teamsolution.net](mailto:dinesh@teamsolution.net)  [www.teamacademy.qa](http://www.teamacademy.qa)



Click to WhatsApp Now



Click to Locate Us