



Python Programming

Duration: 1 Month

Course Objective –

- Learn Python from completely zero basics and eventually build your own project.
- Develop high-end logical skills.
- Learn Database MySQL and its python connectivity.
- Build your own Graphical User Interface and deploy your projects.

Key Takeaways –

Course Certificate

No –Cost
Repeat
Lectures

LifeLong access to
doubt clarification

E- portfolio Assistance

Topics	Sub-topics	Assignment & Projects
Introduction to Python	Environmental Setup, IDE, 3 Types of Windows. Basic Input Output. Variables, Data Types Typecast and identify the types of data.	Create Scientific/Simple Calculator Measurement Converter
Control Flow Structure	If Else Statement: While Loop: Forloop Jumping Statements: Break, Continue Random Library: Random Functions Date and Time Library	Create Games using Random Library Create Digital clock/Stop Watch
Functions	User Defined Functions Built In Functions Arbitrary Functions	Create a password based “LogIn” system
Data Structures	List, Tuple Dictionary Set & String	
Modules & Package	How to create packages Usage of Module	
Object Oriented Programming	Concept of Class, Object and Instances Constructor/Destructor Inheritance Encapsulation/Polymorphism	
File Handling	Where we using File handling concept nowadays Method Reading the data from File Writing the content in it Appending File	Create a Employee Logger file that Auto updates with employee login and logout details
Error and Exceptions	Types of Errors	

What are Exceptions?
Try, Except, Finally Blocks

Database connectivity using python	What is Database Python Database Interaction SQL Database connection using python Creating and searching tables Reading and storing config information on database Programming using database connections	Create a database from scratch in MySQL CommandLine, Interface in Python
Networking	What is Network How client and Server communicate Networking Protocols Programming Client and Server	Create a Chat Server Application
Multi Threading	Understanding concept of Thread Synchronus/Asynchronus Thread Programming using Thread	
GUI	GUI Concepts Creating GUI Window Adding text buttons Radio Buttons, etc.. Cascading Menu to the GUI Window	Calculator GUI, Registration Form, Games

Project Submission on Python Programming

www.learning360.in

+91 9324993802 | Email: enquiry@learning360.in

309, 6th Floor Shivkripa Premises, Above Waman Hari Pethe Jewellery Shop, Ghokle rd.,
Opp. Thane Railway Station, Thane – West P-400604
Facebook/Instagram Handle: @learning360.academy