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+91-8595756252

+91-8800874869

SECURITY IS NOT COMPLETE WITHOUT U!

The security light made me feel safe, though I know that was an illusion. If there is light, you can just see what's coming for you a little more clearly.

Details for Python Programming

Duration: 2.5 Months

Overview

In this course, students will Learn **Basic to Python Programming**. Like: Software programming, Mail service, OOPS and etc. participants will do a live project also.

Pre-Requisites

Students should already be comfortable using the **Operating System** (Like: Windows, Linux, or Mac OS) on which they will be running **Python**. **[Note: Only basic skills needed]**

Who We Are?

Recon Force is a Training and Consulting company and adheres to training standards. We are bringing it to improve its security training and services through technology-enabled IT content. Prepares for an important role as a Penetration Testing expert, instrument analyst, service analyst, network security program manager, and other related roles.

Why Choose Recon Cyber Security?

Recon Force is the best accredited Ethical Hacking training classes in Delhi that offers the best Ethical Hacking training in Delhi on practical exams that help aspirants gain professional skills. The institute offers practical and career-based Ethical Hacking training in Delhi to help students find their dream job at various MNCs. Students are given the opportunity to gain practical experience of participating in real Ethical Hacking projects and 100% placement assistance. The Recon Ethical Hacking Course in Delhi is run under the highly experienced industry professionals. It is recognized among the leading Ethical Hacking Center in Delhi, as it operates on a mix of practical learning and learning theory. This type of comprehensive behavioral training with good exposure facilitates the complete transition of the student into a professional.

- Python Toolkit
- 24x7 Online Classes Available
- Python Certificate
- Interview Preparation
- 1 Year Membership
- Training by experienced trainers
- Live Projects
- Checkpoint based training
- Class recording
- 24x7 Support

PYTHON Course Content

➤ **Module 1 : PYTHON An Overview**

- Python an overview
- History of Python
- Version of Python
- Feature of Python
 - Simple
 - Open Source
 - High Level Programming Language
 - Portable
 - Object Oriented & Procedure Oriented
 - Interpreted
 - Easy to Maintain
- Comparison of Python with Other Languages
 - Java
 - C++
 - Java Script
 - Perl
- Execution of Programs
- Python Comment

➤ **Module 2 : Python Variables & Data Types**

- What is variables
- Assign variable

- **Data types**
 - **Numeric Data Types**
 - **Boolean Data Types**
 - **Compound Data Types**
 - **Dictionaries**
 - **Sets**
 - **Array**

➤ **Module 3 : Operators**

- **Types of Operators**
 - **Arithmetic Operators**
 - **Relational Operators**
 - **Assignment Operators**
 - **Logical / Boolean Operators**
 - **Identity Operators**
 - **Membership Operators**
 - **Bitwise Operators**
- **Operators Precedence & Associativity**
 - **Precedence of Operators**
 - **Associativity of Operators**

➤ **Module 4 : Python Conditional Statements**

- **The If Statements**
- **The If-else Statements**
- **The Elif Statements**

- **The Nested If – Else Statements**

- **Module 5 : Python Looping Concept**
 - **Python for Loop**
 - **Python While Loop**

- **Module 6 : Python Control Statements**
 - **The Break Statement**
 - **The Continue Statement**
 - **The Pass Statement**

- **Module 7 : Python Data Type Casting**

- **Module 8 : Python Number**
 - **Mathematical Function**
 - **Random Function**
 - **Trigonometric Function**

- **Module 9 : Python String**
 - **Accessing String**
 - **Basic Operations**
 - **String Slices**
 - **String Built-In-Function**

- **Module 10: Python List**

- Introduction
- Accessing list
- Operations
- Working with lists
- List Slices
- Aliasing
- Cloning
- List Comprehension
- Deleting List
- Built-In-Function

➤ **Module 11: Python Tuple**

- Introduction
- Crating Tuple
- Accessing Tuple
- Modifying Tuple
- Deleting Tuple
- Built-in Function

➤ **Module 12: Python Dictionary**

- Introduction
- Declaring an Sets
- Operation on Sets
- Built-in function

➤ **Module 13: Python Sets**

- Introduction
- Declaring an Sets
- Operation on Sets
- Built-In Function

➤ **Module 14: Python Date & Time**

- The Time Module
- The Calendar Module

➤ **Module 15: Python Function**

- Defining a Function
- Calling a Function
- Types of Functions
- Function Arguments
- Anonymous Functions
- Global and local Variables

➤ **Module 16: Module**

- Introduction
- The Import Statement
- The Form... Import Statement
- The Form... Import* Statement

➤ **Module 17: File Handling (Input / Output)**

- Introduction
- Open & close files
- Read & Write files
- Rename & Remove Files
- The Directories

➤ **Module 18: Exception Handling**

- Error in Python Program
 - Syntax error
 - Exception
- Types of Exception
- Handling exception in Python
- Raising Exception
- User Defined Exception

➤ **Module 19: OOPs Concepts**

- Class and Object
- Attribute
- Inheritance
- Overloading
- Overriding
- Interface & Abstraction

➤ **Module 20: Multithreading**

- Thread

- Starting a thread
- Threading Module
- Synchronizing Threads

➤ **Module 21: Python Mail Sending Program**

- Introduction
- Execute Mail Program
- Attachment with File
- Sending Multiple Mail

➤ **Module 22: Regular Expression**

- Match Function
- Search Function
- Matching VS Searching
- Modifiers
- Pattern

➤ **Module 23: Database Connection**

- Introduction
- Connections
- Executing Queries
- Transactions
- Handling Error

➤ **Module 24: Interacting with Networks**

- **Socket in Python**
- **TCP/IP Client & Server**
- **Creating a client / server program**
- **Executing Socket Program**

➤ **Module 25: GUI (Graphical user Interface)**

- **Introduction**
- **Tkinter Programming**
- **Tkinter Widget**

➤ **Module 26: Python Web Scraping**

- **Introduction**
- **Scrape all the details of any website**
- **Built-in-Function**

➤ **Module 27: Python for Image Processing**

- **Introduction**
- **Image processing**
- **Loading Video**
- **Reading image**
- **Saving a capture Video**

➤ **Module 28: Python Data Science**

- **Introduction**
- **Data Analysis with Python**

- **Plotting Graph**

- **Module 29:** Introduction with Python Machine learning
- **Module 30:** Introduction with Python Artificial Intelligence

Contact Details:

- ✓ **Phone** : +91-8595756252
+91-8800874869
- ✓ **Emai** : Training@reconforce.in
Enquiry@reconforce.in
- ✓ **Website** : www.reconforce.in
www.reconcybersecurity.com
- ✓ **Address** : D-64, Ground floor, Gali no-3 Laxmi Nagar
Near Metro Exit Gate no-5
Delhi- 110092