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Python Awareness for All

Duration: 1 Day   Course Code: GK821627   Version: 1.0

Overview:

Understand how Python can be used in various domains, and how to write simple Python scripts.

This 1-day course is designed for anyone looking to get started with Python and who would benefit from an overview of Python's utility in specific domains and job roles, including:
Programmers
System Administrators
Network Administrators and Engineers
Back-end developers
Front-end developers
Recent Graduates

This course introduces you to the basics of writing and running simple Python scripts, including how to use operators in order to write simple control flow statements.

Target Audience:

This course is an appropriate introduction to anyone looking to get started with Python, including experienced developers interested in understanding how Python can be utilized in specific domains and job roles.

Objectives:

- **After completing this course you should be able to:**

- Understand the evolution, features, and real-time purpose of Python

- Recognize the role of python in various fields and learn how Python helps with diversified solutions

- Install IDE and Text editors for creating and running Python scripts

- Discover python data types and use them appropriately

- Write simple logical programs with control flow statements in Python

Content:

Introduction to Python - Python Overview and Evolution

- Role/Domain-based Python
- Python for Web Developers - Full Stack Development
- Python for Data Scientists
- Python for RPA programmers
- Python for Sys Admins and N/W Engineers
- Python for DevOps engineer

Introduction to Python - Standard Librairies and Frameworks (Related to discussed domains)

- Python IDEs and Text Editors
- Python vs Other programming languages
- Installing Python 3.x
- Preparing to write a Python file (*.py) - Text Editors
- Executing a Python file
- Python Enhancement Proposals (PEPs)
- Python Interpreter

Basics of Python Programming

- Structure of a Python Program
- Python Statements and Control Flow
- Built in Functions
- Simple print statements
- Python Variables
- Numeric Types - Integers and Floating points
- String
- Booleans
- Sequence Types
- Generating Strings in Python
- Common String Methods
- Function Basics

Operators and Simple Control flow Statements

- Operators and Precedence / Arithmetic Expressions
- Relational Operators
- Logical operators
- Comparison Operations
- "simple" if Statement
- "simple" while Statement
- "simple" for Statement

Labs

- This course includes lab-based activitoes to write and run some basic Python Programming scripts.

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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