About Python

Introduction

Python is commonly used for developing websites and software, task automation, data analysis, and data visualisation. Since it's relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organising finances.

Python can be used in several areas, including testing, web development, app development and upgrades, and scriptwriting, to name a few. Python's automatic memory management and dynamic type system support different programming standards. If you acquire this skill, you will have more Python career opportunities than you can imagine. Python opens for you several avenues that no other programming language can

Why Python

- It's Simple
- It's Free
- It's Easy to Use
- It's Highly Compatible
- It is Object-Oriented
- It has Lots of Libraries
- It has Built-in Data Structures
- It's Widely Applicable
- It Increases Speed and Productivity
- It's Easy to Learn

Core Python Details

- The course duration for core python is 1 month (60 hours)

Topics covered in Core Python Course

- Introduction to Python and computer programming
- Data types, variables, basic input-output operations, basic operators
- Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations
- Functions, tuples, dictionaries, and data processing
- Code structuring and the concept of function
- Modules, Packages and PIP
- Strings, String and List Methods, Exceptions
- Object-Oriented Programming

- Python Networking Programming
- Python GUI Programming

The Python syllabus followed by Vidya is from Cisco Networking Academy Partnership so there will be added benefits such as

- Course Completion Certificate from Cisco NetAcad.
- If they are opting for Python + PCAP Exam Bundle in a Cisco Network Academy , then there will be 50% off on the cost of PCAP exam

Advanced Python

Python for web development

The course duration for python web development is 2 month(Provided you know basic python) (120 hours)

Topics covered in Python for Django Course
- Django's History
- The Basics of Dynamic Web Pages
- The Django Template System
- Interacting with a Database: Models
- The Django Administration Site
- Form Processing
- Advanced Views and URL configurations
- Generic Views
- Extending the Template Engine
- Users and Registration