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Python is one of the open-source, flexible and premier languages that has powerful libraries for data analysis and data manipulation. During training, the delegates will learn basic to advanced concepts of Python including writing Python scripts, file operations and much more.

Silicon Beach Training introduces Python Programming Certification Training which is designed to provide in-depth knowledge about the basics of Python, Statistics and Machine Learning. The delegates will learn how to use libraries such as numpy, pandas, scikit, matplotlib and more. Moreover, they will be able to master the concepts of Python machine learning, scripts and sequence. The course will be delivered by highly qualified and certified instructors who will includes practical exercises in the training programme to make the study more interactive.

Prerequisites

For attending this course, the delegates should have a fundamental knowledge of computer programming languages. However, having understanding of data analysis can be beneficial.

Course Objectives

During the training program, the delegates will:

- Learn how to use python networks and master the art of presenting data analysis
- Identify tools and techniques required for predictive modeling
- Perform text mining an sentimental analysis
- Achieve expertise in handling business operations successfully
- Validate algorithms of machine learning
- Work with real-time data

- An Introduction
- Python Installation
- Variables
- Lists and Dictionaries
- Conditional Expressions
- Built-in Functions
- Loops
- Iterators and Generators
- User-Defined Functions
- Modules
- Random Numbers

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- Classes and Objects
- Files Input / Output
- CSV and JSON
- PIP
- Install External Modules
- Network and Servers
- Database
- Lab: Database Programming

Follow-On Courses

- PHP Programming
- PHP & MySQL for Web Development
- PHP Programming & MySQL for Web Development
- Introduction to MySQL

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