



Introduction to Python[®] Programming

Course Description

Python is one of the most versatile and popular programming languages. Whether you are relatively new to programming or have been developing software for years, Python is an excellent language to add to your skill set. In this course, you will learn the fundamentals of programming in Python, and you will develop applications to demonstrate your grasp of the language.

Course Objective

Participants will learn to develop simple command-line programs in Python.

Certificate Of Attendance

Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

Who should attend this course

Participants looking to learn the Python programming language in preparation for using Python to develop web and desktop applications.

Training Duration

Full-time: 3 Weekdays / 3 Sats
Time : 9.00am to 6.00pm

Course Fee

Course Fee : S\$650
Regn Fee : S\$30

All Fees subject to prevailing GST.

Please contact our Customer Service Team @ 6333-4843 for more assistance.

Course is eligible for SkillsFuture Course Fee Funding (for Singapore Citizens & Singapore PRs). All SkillsFuture trainees must attempt an assessment (Open Book) on the last day of course.

Self-sponsored trainees may offset course fee using their SkillsFuture Credit Claim or/ & PSEA.

DETAILED COURSE OUTLINE

1. Setting Up Python and Developing a Simple Application

- Set Up the Development Environment
- Write Python Statements
- Create a Python Application
- Prevent Errors

2. Processing Simple Data Types

- Process Strings and Integers
- Process Decimals, Floats and Mixed Number Types

3. Processing Data Structures

- Process Ordered Data Structures
- Process Unordered Data Structures

4. Writing Conditional Statements and Loops in Python

- Write a Conditional Statement
- Write a Loop

5. Structuring Code for Reuse

- Define and Call a Function
- Define and Instantiate a Class
- Import and Use a Module

6. Writing Code to Process Files and Directories

- Write to a Text File
- Read from a Text File
- Get the Contents of a Directory
- Manage Files and Directories

7. Dealing with Exceptions

- Handle Exceptions
- Raise Exceptions



NICF - Introduction to Python Programming (SF)



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