

Learning Objectives



After the completion of this chapter, the student will be able to

- Understand what is wrapping
- Able to import C++ functions and classes in to Python programs
- Create environment to work with both languages
- Execute and debug Python programs

14.1 Introduction

Python and C++ are general-purpose programming language. However, Python is quite different from C++.

S.NO	PYTHON	C++
1	Python is typically an "interpreted" language	C++ is typically a "compiled" language
2	Python is a dynamic-typed language	C++ is compiled statically typed language
3	Data type is not required while declaring variable	Data type is required while declaring variable
4	It can act both as scripting and general purpose language	It is a general purpose language

Yet these two languages complement one another perfectly. Python is mostly used as a scripting or "glue", language. That is, the top level program mostly calls routines written in C or C++. This is useful when the logic can be written in terms of existing code (For example a program written in C++) but can be called and manipulated through Python program.