

Advantages of Python and Program Execution

System programming

Python is an ideal language for writing portable, maintainable system-administration tools and utilities.

GUI programming Python comes with a standard object-oriented interface to the Tk GUI API called Tkinter that allows implementation of portable GUIs with a native feel and look.

Advantages of Python

Internet Scripting

Python comes with standard Internet modules that allows python programs to perform a wide variety of networking tasks, in client and server modes.

Component Integration

Python can be embedded in C and C++ systems making it a useful glue language for scripting the behavior of other systems and components.

Rapid Prototyping

Python is small and readable allowing you to build prototypes rapidly hence it can be used as prototyping tool.

Numeric and Scientific programming

Python comes with various in-built modules for numeric and scientific programming such as:

- NumPy
- SciPy
- SymPy etc.

Advantages of Python

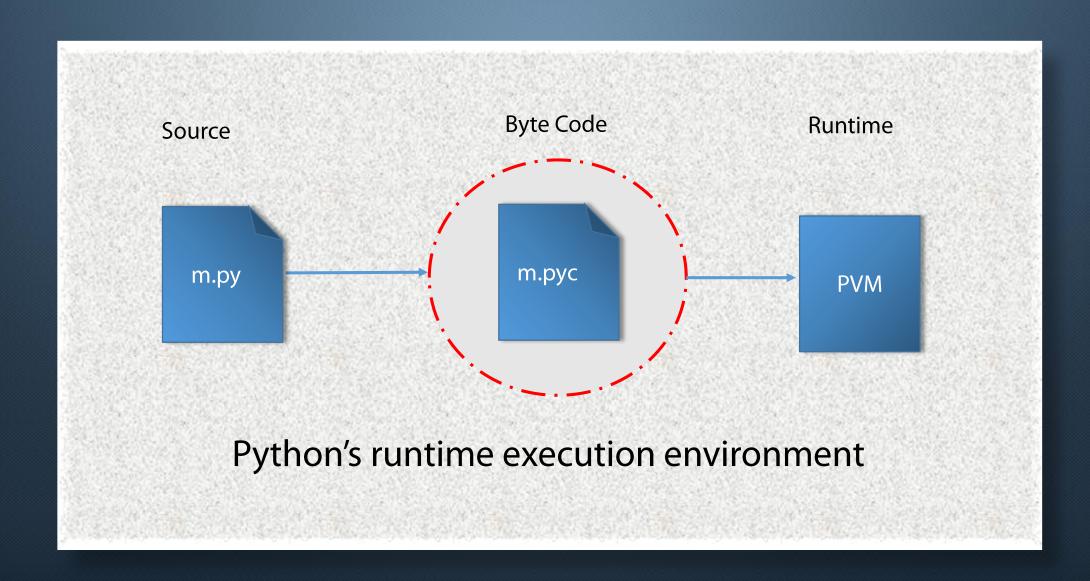


Database Programming Python provides interfaces to all commonly used relational database systems like:

- Oracle
- MySQL
- SyBase
- SQLite etc.







Python IDE

□ IDE is "Integrated Development Environment" which is used as the code editor, including a series of peripheral components and attachments.

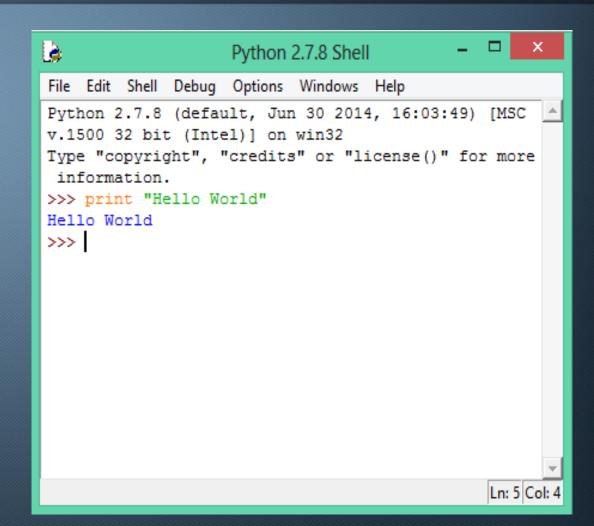
☐ The IDE, we will be using is Python IDLE

□ IDLE comes by default with python setup. You just need to initiate it which can be done using search or command line.

☐ IDLE has the following features:

Coded in 100% pure Python

Cross-platform: works on Windows and Unix



Hands-On

