Python Scripting

Python An Introduction

- An Scripting language

- Readability

- Guido van Rossum

- Monty Python's Flying Circus (TV Series 1969–1974)

Python Applications

- Python used in the developing

  - Rapid Application Development

  - Prototyping

  - Automation Script

  - Tool box

  - Installation Script

  - Desktop Apps

  - Web Apps

  - Mobile Apps

Python Implementation Alternatives

- Cpython

  - The original, and standard, implementation of Python is usually called Cpython.

  - It is coded in portable ANSI C language code.

- Jython

  - The Jython system (originally known as JPython) is an alternative implementation of the Python language.

  - It is targeted for integration with the Java programming language.

- IronPython

    - A third implementation of Python, and newer than both CPython and Jython.

    - It is targeted for integration with .NET and its C# programming language run time system

Invoking Python

- Python can be invoked in two ways
    - Interactive Prompt
    - Scripting

Invoking Python

- Interactive Prompt
  - Experimenting
  - Testing

- Using the Interactive Prompt
  - Type Python commands only.
  - Print statements are required only in files.
  - Don't indent at the interactive prompt
  - Watch out for prompt changes for compound statements.
  - Terminate compound statements at the interactive prompt with a blank line
  - The interactive prompt runs one statement at a time.