Writing simple programs in a scripting language

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A PROGRAM

Set of instructions written in a programming language that tells the computer what to do
Python is a remarkably powerful dynamic programming language that is used in a wide variety of application domains. Python is often compared to Tcl, Perl, Ruby, Scheme or Java.*

* From [www.python.org](http://www.python.org) website
**Python Continued**

- very clear, readable syntax
- strong introspection capabilities
- intuitive object orientation
- natural expression of procedural code
- full modularity, supporting hierarchical packages
- exception-based error handling
- very high level dynamic data types
- extensive standard libraries and third party modules for virtually every task
- extensions and modules easily written in C, C++ (or Java for Jython, or .NET languages for IronPython)
- embeddable within applications as a scripting interface

* From [www.python.org](http://www.python.org) website
THE PROGRAMMING PROCESS

- Defining the problem
- Planning the solution
- Coding the program
- Testing the program
- Documenting the program
Defining the Problem

- What is the input
- What output do you expect
- How do you get from the input to the output
FLOW CONTROL ELEMENTS
Accept series of numbers and display the average.