

# Introdução ao Processamento de Dados



# Instalação Python: verificação

Configurações

Início

Localizar uma configuração

Sistema

Nome do PC DESKTOP-IDGJ3BA

Renomear o computador

Organização WORKGROUP

Conectar ao trabalho ou à escola

Edição Windows 10 Pro

Versão 1607

Build SO 14393.953

ID do Produto 00331-20210-00000-AA995

Processador Intel(R) Core(TM) i7-6500U CPU @ 2.50GHz 2.59 GHz

RAM instalada 12,0 GB

Tipo de sistema Sistema Operacional de 64 bits, processador com base em x64

Caneta e toque Suporte a toque com 10 pontos de toque

Alterar chave do produto (Product Key) ou atualizar a edição do Windows

Ler a Política de Privacidade de serviços Windows e de serviços Microsoft

Ler o Contrato de Serviços Microsoft que se aplica aos nossos serviços

Ler os Termos de Licença para Software Microsoft

Configurações relacionadas

# Instalação Python: download

<https://www.python.org/download/releases/2.7.8/>

The screenshot shows the Python 2.7.8 release page. On the left, a sidebar displays tweets from @ThePSF, including announcements about Google Summer of Code and a community service award. Below the tweets is a blue box with the text: "The PSF The Python Software Foundation is the organization behind Python. Become a member of the PSF and help advance the software and our mission." A large red arrow points from this box to the "Download" section. The "Download" section lists various installation options for Windows, Mac OS X, and Linux, including MSI installers, program databases, help files, and source tarballs. A list of changes over 2.7.7 is also visible above the download section.

over 2.7.7 including:

- The openssl version bundled in the Windows installer has been updated.
- A [regression in the mimetypes](#) module on Windows has been fixed.
- A [possible overflow](#) in the buffer type has been fixed.
- A [bug in the CGIHTTPServer](#) module which allows arbitrary execution of code in the server root has been patched.
- A [regression in the handling of UNC paths](#) in `os.path.join` has been fixed.

### Download

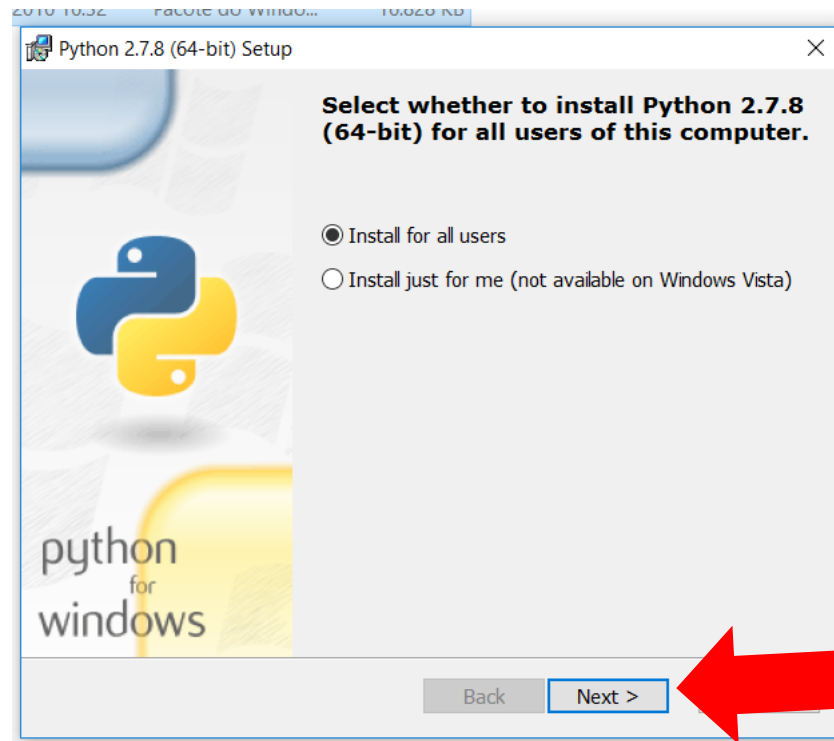
This is a production release. Please [report any bugs](#) you encounter.

We currently support these formats for download:

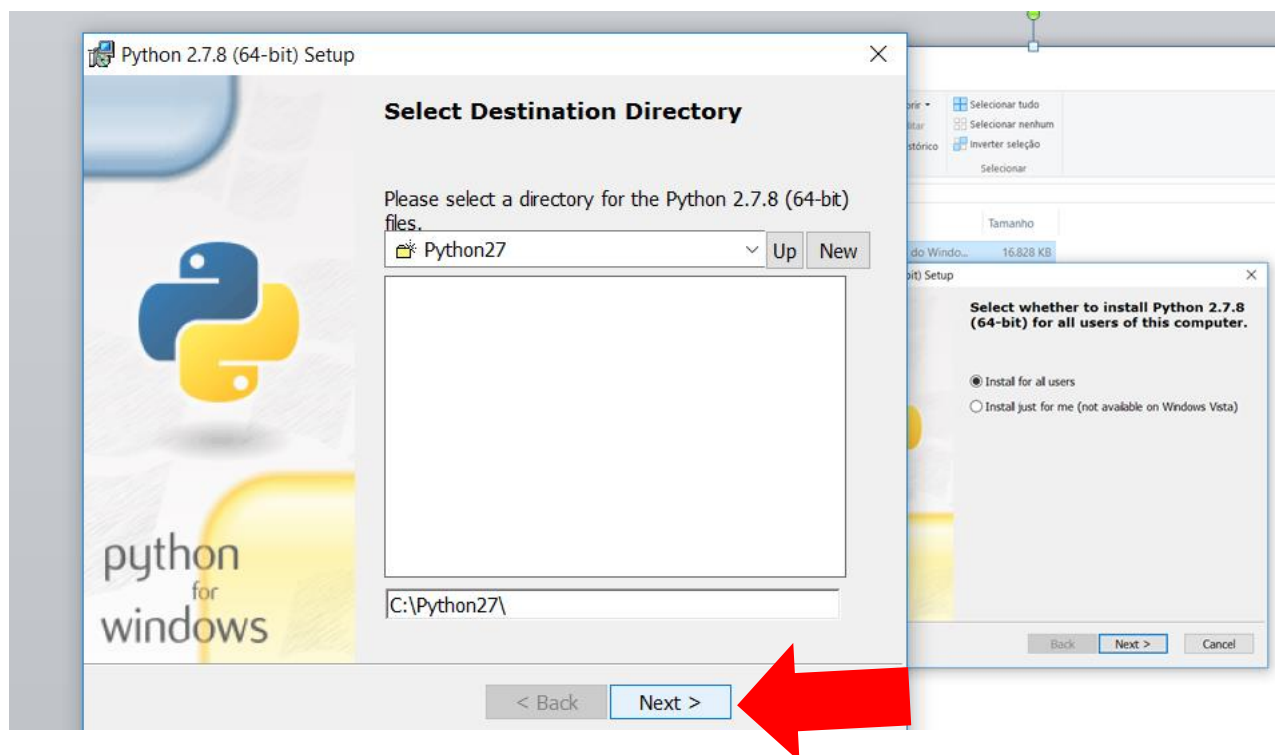
- [Windows x86 MSI Installer \(2.7.8\)](#)
- [Windows x86 MSI program database \(2.7.8\)](#)
- [Windows X86-64 MSI Installer \(2.7.8\) \[1\]](#)
- [Windows X86-64 MSI program database \(2.7.8\) \[1\]](#)
- [Windows help file](#)
- [Mac OS X 64-bit/32-bit x86-64/i386 Installer \(2.7.8\) for Mac OS X 10.6 and later \[2\] \(sig\)](#). [You may need an updated Tcl/Tk install to run IDLE or use Tkinter, see note 2 for instructions.]
- [Mac OS X 32-bit i386/PPC Installer \(2.7.8\) for Mac OS X 10.5 and later \[2\] \(sig\)](#).
- [Mac OS X 32-bit i386/PPC Installer \(2.7.8\) for Mac OS X 10.3 and later \(deprecated, see below\) \[2\] \(sig\)](#).
- [XZ compressed source tar ball \(2.7.8\) \(sig\)](#)
- [Gzipped source tar ball \(2.7.8\) \(sig\)](#)

The source tarballs are signed with Benjamin Peterson's key, which has key id 18ADD4FF. The Mac installers were signed with Ned Deily's key, which has a key id of 6F5E1540. The public keys are located on the [download page](#).

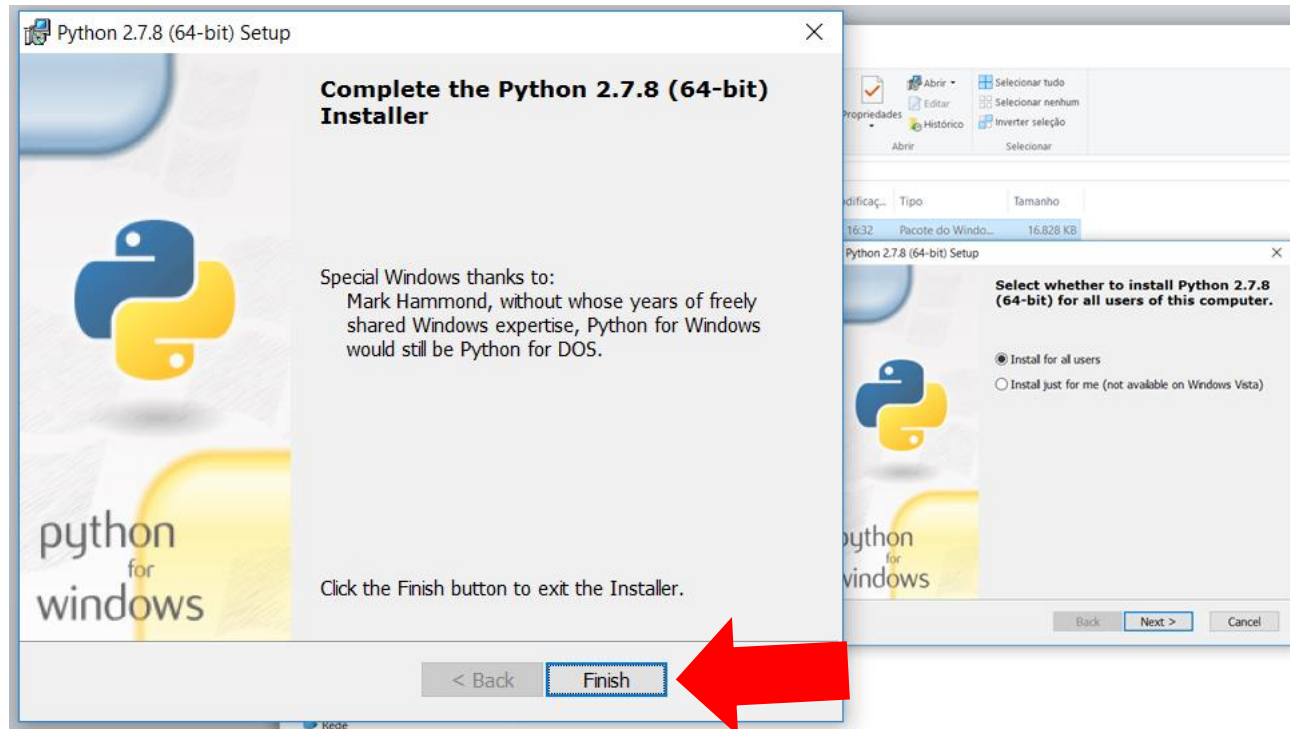
# Instalação Python



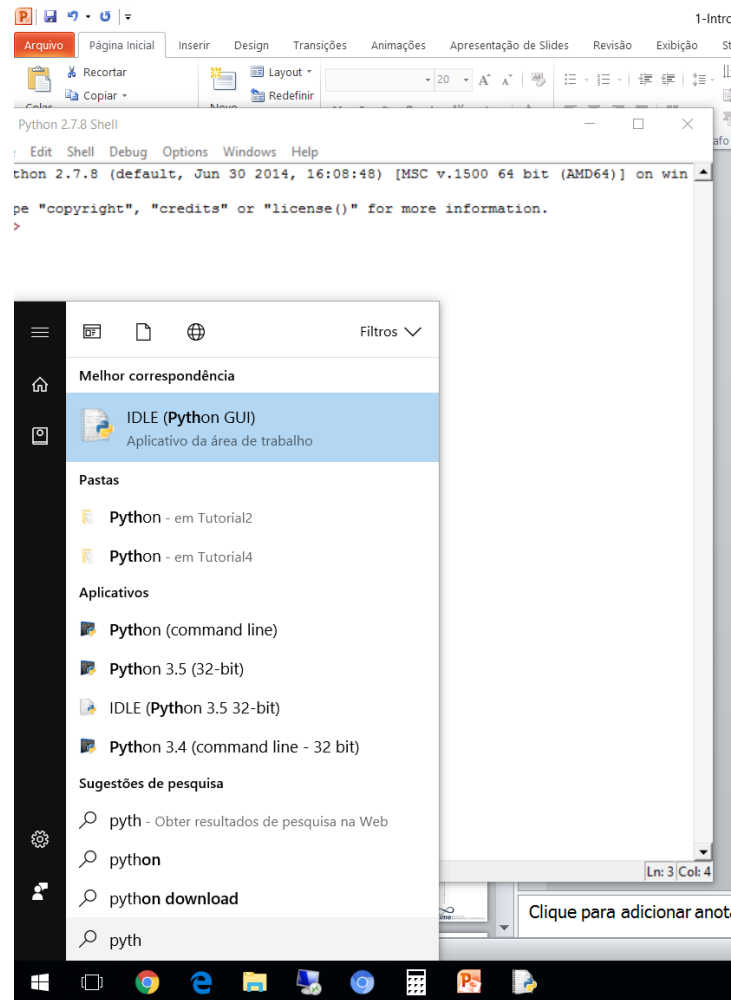
# Instalação Python



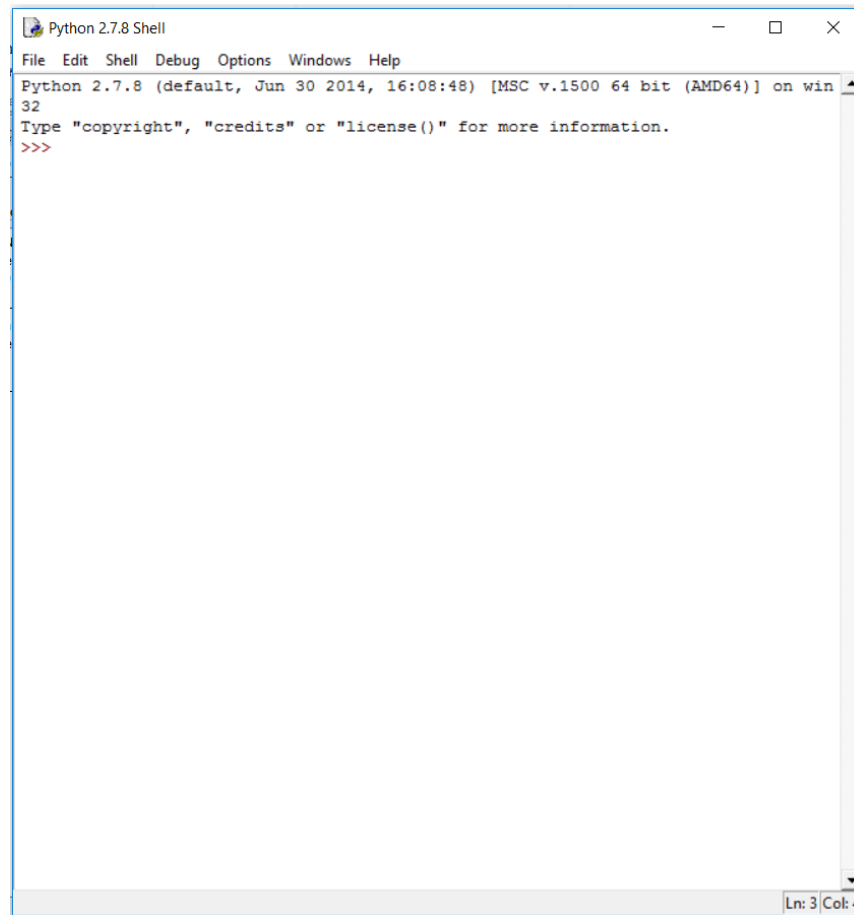
# Instalação Python



# Criando e executando um programa em Python



# Criando e executando um programa em Python

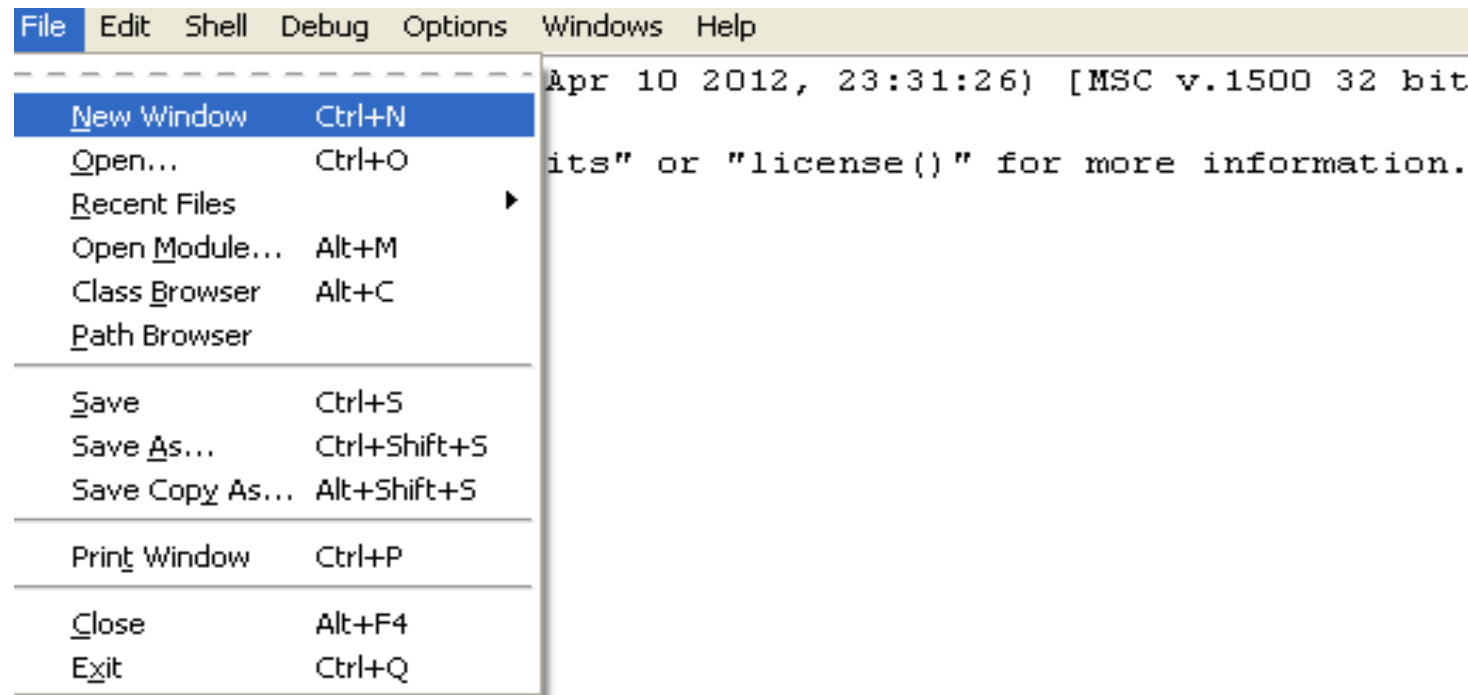


A screenshot of a Windows application window titled "Python 2.7.8 Shell". The window has a standard menu bar with "File", "Edit", "Shell", "Debug", "Options", "Windows", and "Help". The main text area displays the following information: "Python 2.7.8 (default, Jun 30 2014, 16:08:48) [MSC v.1500 64 bit (AMD64)] on win32", followed by "Type \"copyright\", \"credits\" or \"license()\" for more information.", and then the Python prompt ">>>". The status bar at the bottom right indicates "Ln: 3 | Col: 4".



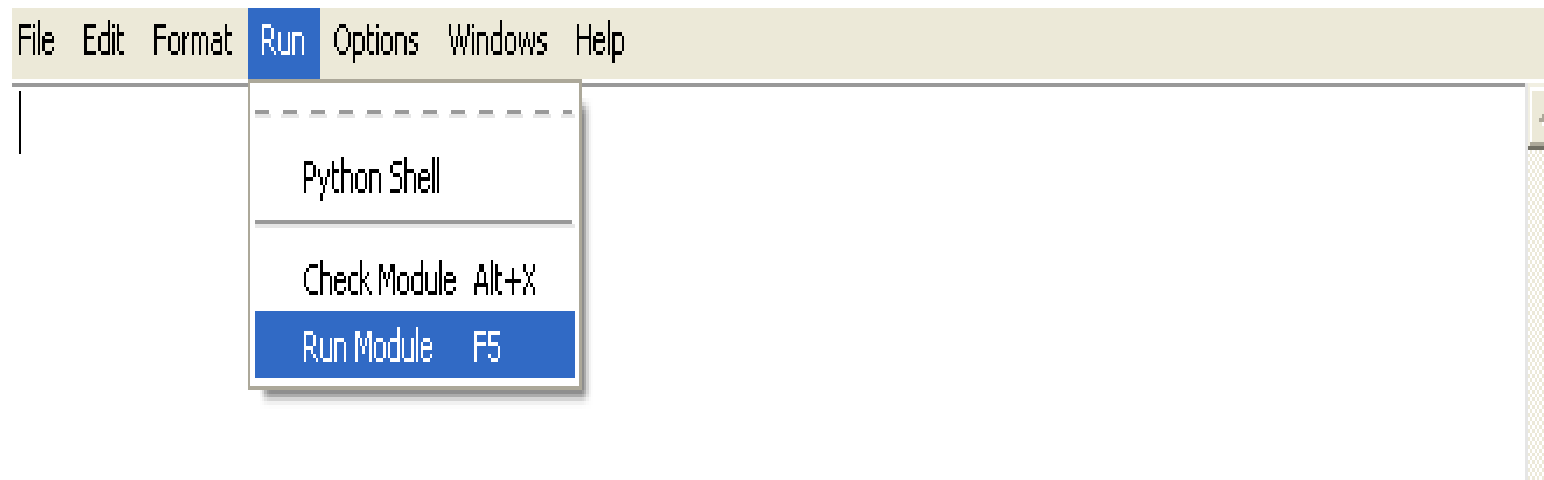
# Criando e executando um programa em Python

- Clique no ícone do IDLE e inicie uma nova Janela



# Criando e executando um programa em Python

- Digite os comandos do programa
- Salve este arquivo com o nome:
  - NOME\_PROGRAMA.py
- Executar o programa pressionando F5 ou selecionando

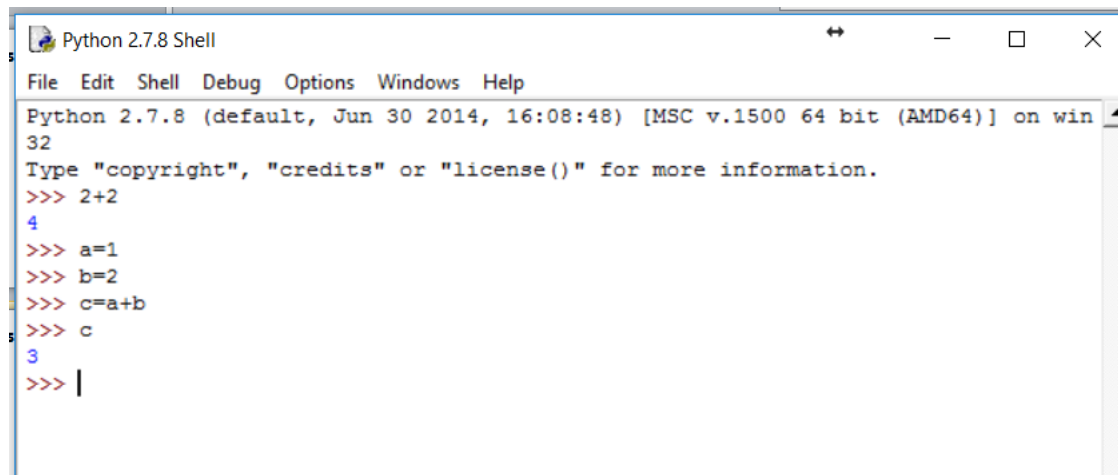


# Criando e executando um programa em Python

- Digite os comandos do programa
- Salve este arquivo com o nome:
  - NOME\_PROGRAMA.py
- Executar o programa pressionando F5 ou selecionando

# Modos

- O Python pode ser usado no modo INTERATIVO ou PROGRAMADO
  - No modo INTERATIVO os comandos digitados seguidos de [ENTER] serão executados imediatamente, possibilitando que o Python seja usado como se fosse uma calculadora.



```
Python 2.7.8 Shell
File Edit Shell Debug Options Windows Help
Python 2.7.8 (default, Jun 30 2014, 16:08:48) [MSC v.1500 64 bit (AMD64)] on win
32
Type "copyright", "credits" or "license()" for more information.
>>> 2+2
4
>>> a=1
>>> b=2
>>> c=a+b
>>> c
3
>>> |
```

# Modos

- O Python pode ser usado no modo **INTERATIVO** ou **PROGRAMADO**
  - No modo INTERATIVO os comandos digitados seguidos de [ENTER] serão executados imediatamente, possibilitando que o Python seja usado como se fosse uma calculadora.
  - No modo PROGRAMADO os comandos serão: digitados, salvos em um arquivo e depois compilados e executados.