



INTRODUÇÃO À PROGRAMAÇÃO

Introdução a Python

Prof. Emerson Lima

emerson@ifal.edu.br



PyTHON

- Por que?
 - Simples
 - Poderosa
 - Software Livre
 - Multi-plataforma



python

The screenshot shows the Python.org website homepage. At the top, there's a navigation bar with links for Python, PSF, Docs, PyPI, Jobs, and Community. Below this is a search bar and buttons for 'GO', 'Sponsor', and 'Sign In'. A secondary navigation bar includes links for 'About', 'Downloads', 'Documentation', 'Community', 'Success Stories', 'News', and 'Events'. The main content area features a code snippet on the left demonstrating a for loop, a section titled 'All the Flow You'd Expect' on the right, and a footer with four columns: 'Get Started', 'Download', 'Docs', and 'Jobs'. The code snippet shows a for loop iterating over a list of numbers and calculating their product. The 'All the Flow You'd Expect' section highlights Python's control flow statements. The footer columns provide links and information for getting started, downloading Python, accessing documentation, and finding jobs.

Welcome to Python.org

Python Software Foundation [US] | <https://www.python.org>

Python PSF Docs PyPI Jobs Community

python™

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```
# for loop on a list
>>> numbers = [2, 4, 6, 8]
>>> product = 1
>>> for number in numbers:
>>>     product = product * number
>>>
>>> print("The product is:", product)
The product is: 384
```

All the Flow You'd Expect

Python knows the usual control flow statements that other languages speak — if, for, while and range — with some often-overlooked, of course. [More control flow tricks in Python 3](#)

1 2 3 4 5 6

Python is a programming language that lets you work quickly and integrate systems more effectively. >>> [Learn More](#)

Get Started
Whether you're new to programming or an experienced developer, it's easy to learn and use Python.
[Start with our Beginner's Guide](#)

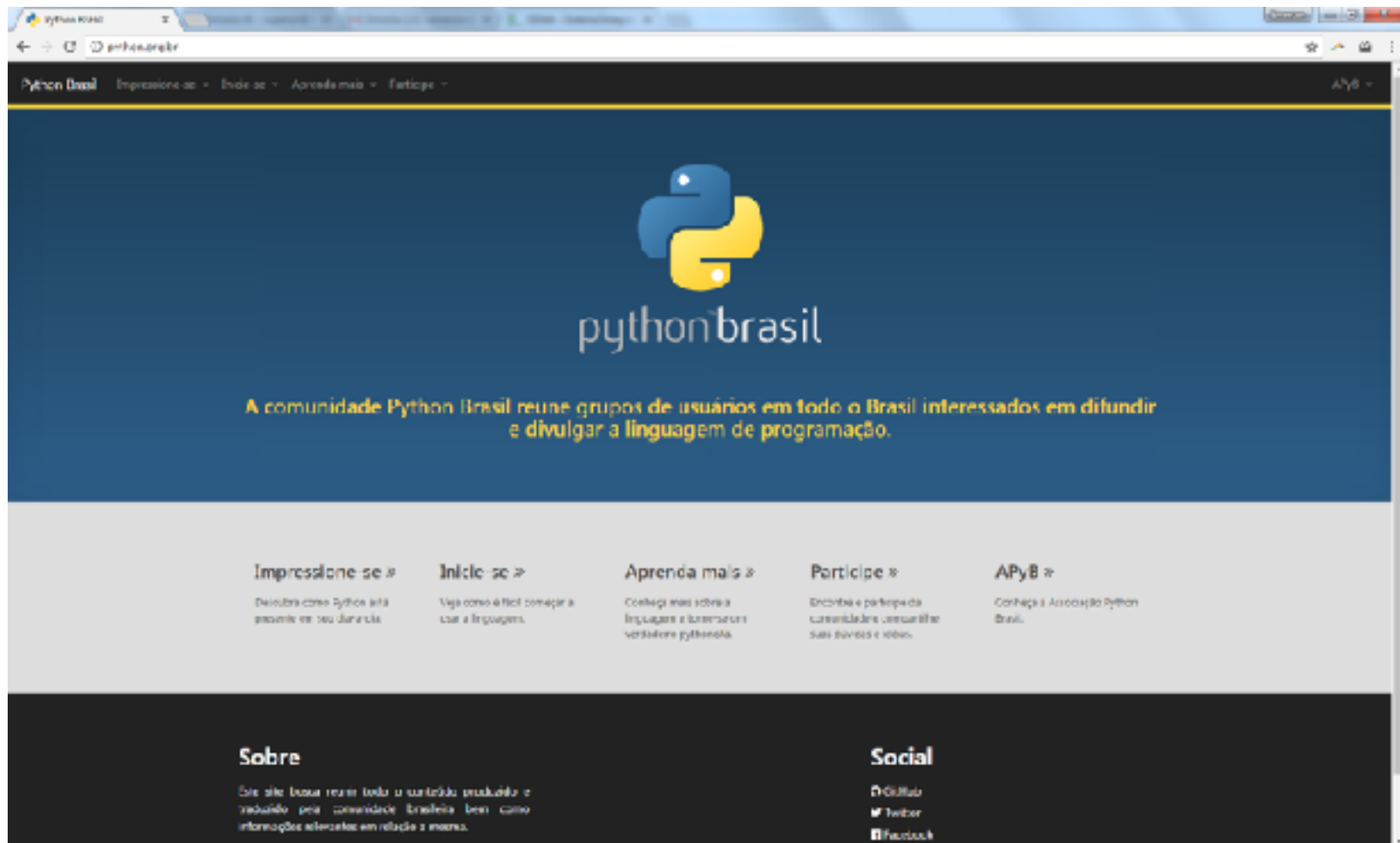
Download
Python source code and installers are available for download for all versions! Not sure which version to use? [Check here](#).
latest: Python 3.6.1 Python 2.7.13

Docs
Documentation for Python's standard library, along with tutorials and guides, are available online.
docs.python.org

Jobs
Looking for work or have a Python-related position that you're trying to hire for? Our [retained community-run job board](#) is the place to go.
jobs.python.org



Python Brasil





Instalando python

The screenshot shows the Python Software Foundation website. The main navigation bar includes links for Python, PEP, Docs, PyPI, Jobs, and Community. Below this, there's a search bar and links for Socialize and Sign In. The main content area features the Python logo and a section titled "Download the latest version for Windows". This section includes two buttons: "Download Python 2.6.1" and "Download Python 2.7.13". Below these buttons, there's a link to "Wondering which version to use? Here's more about the difference between Python 2 and 3." and another link to "Looking for Python with a different OS? Python for Windows, Linux, Mac OS X, Other". At the bottom, there's a section titled "Looking for a specific release?" with a link to "Python releases by version numbers". Below this link is a table listing various Python releases.

Release version	Release date	Download	Link for more
Python 3.6.1	2017-03-13	Download	Release Notes
Python 3.6.0	2017-01-19	Download	Release Notes
Python 3.5.3	2017-03-13	Download	Release Notes
Python 3.5.0	2016-10-11	Download	Release Notes
Python 3.4.10	2015-12-17	Download	Release Notes
Python 3.4.5	2015-06-27	Download	Release Notes
Python 3.3.2	2013-06-27	Download	Release Notes

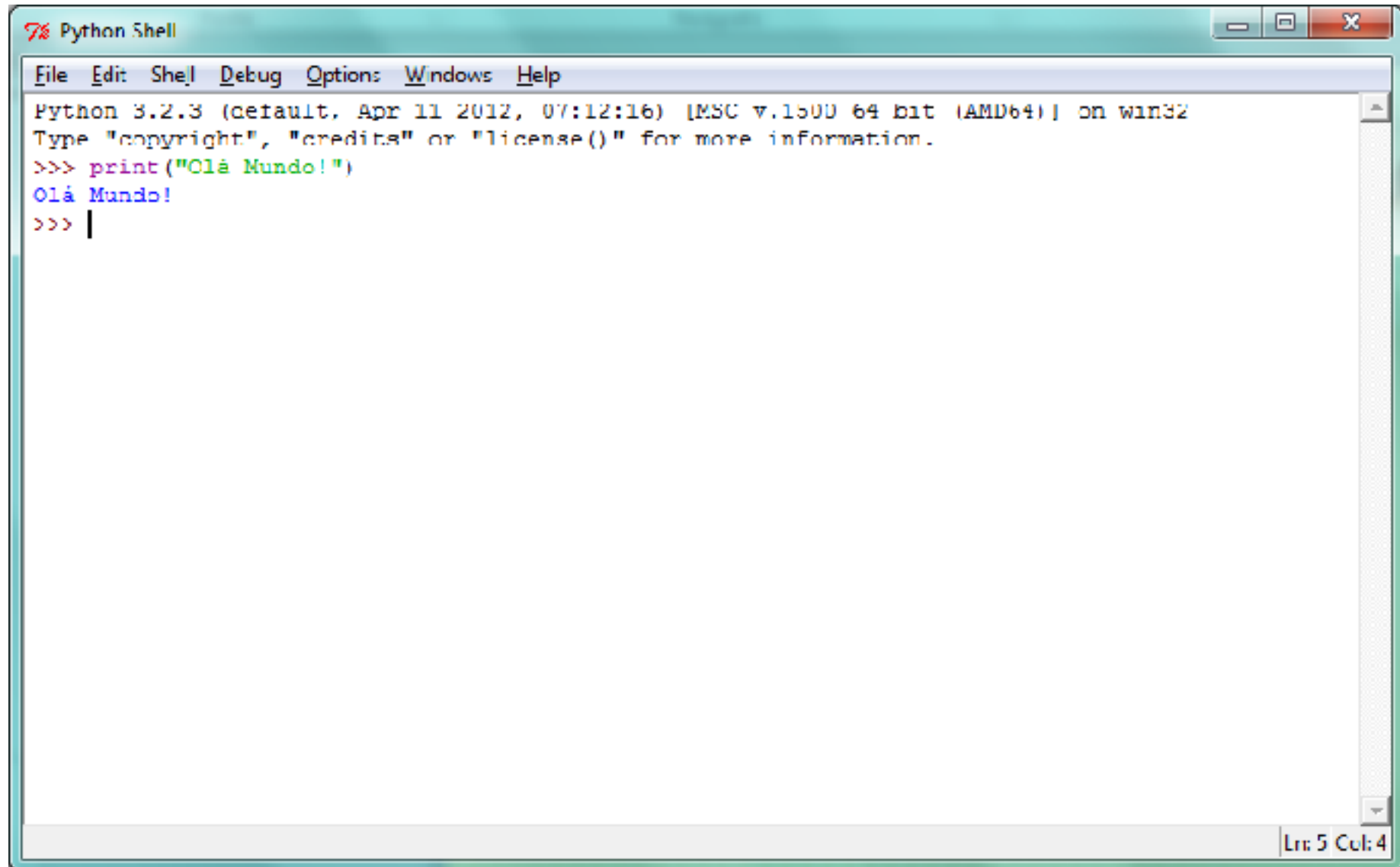


IDLE

```
Python Shell
File Edit Shell Debug Options Windows Help
Python 3.2.3 (default, Apr 11 2012, 07:12:16) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> |
Ln: 3 Col: 4
```



Olá mundo!

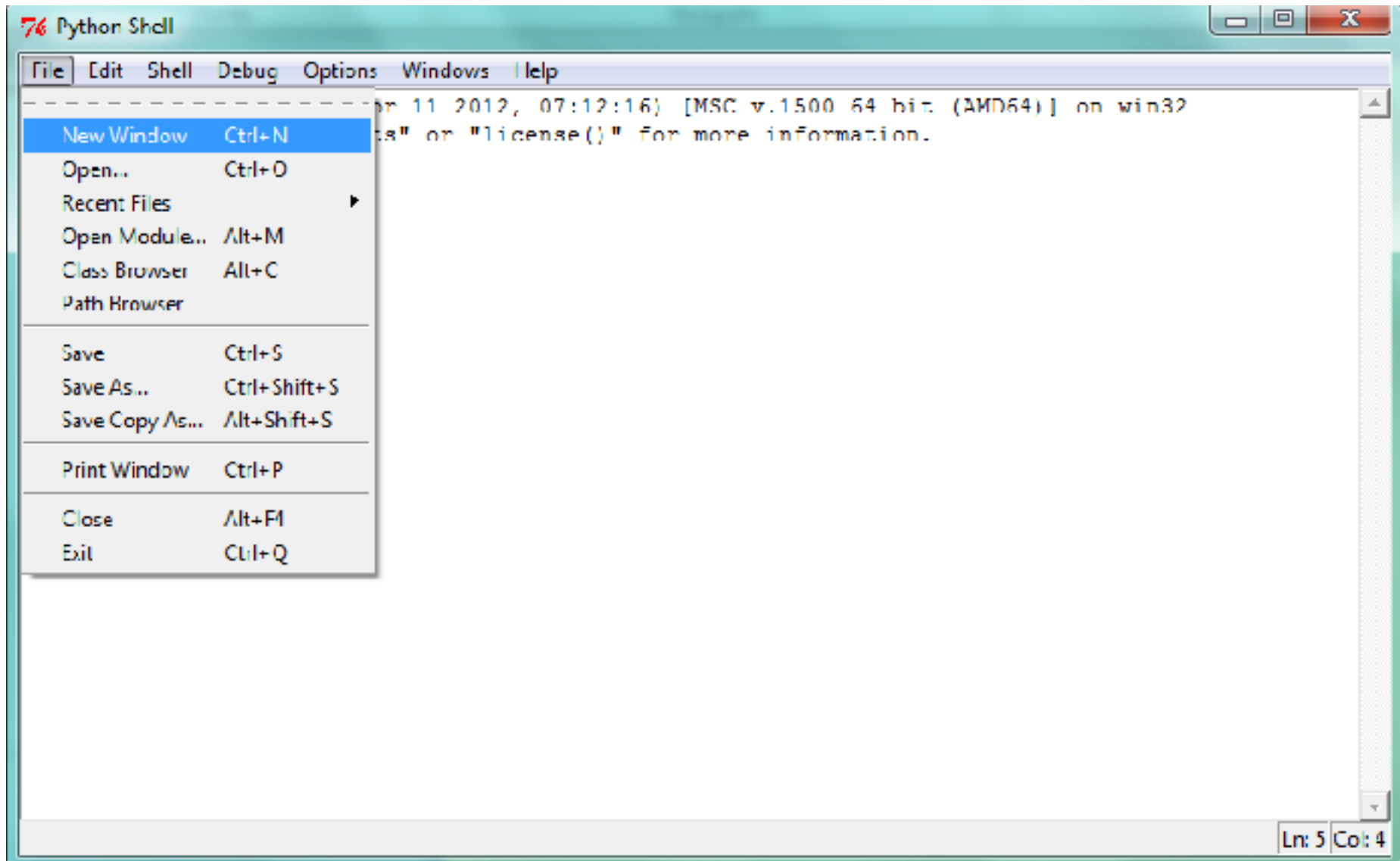


The screenshot shows a Python Shell window with a menu bar (File, Edit, Shell, Debug, Options, Windows, Help) and a status bar (Ln: 5 Col: 4). The main text area contains the following text:

```
Python 3.2.3 (default, Apr 11 2012, 07:12:16) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> print("Olá Mundo!")
Olá Mundo!
>>> |
```



Editando arquivos





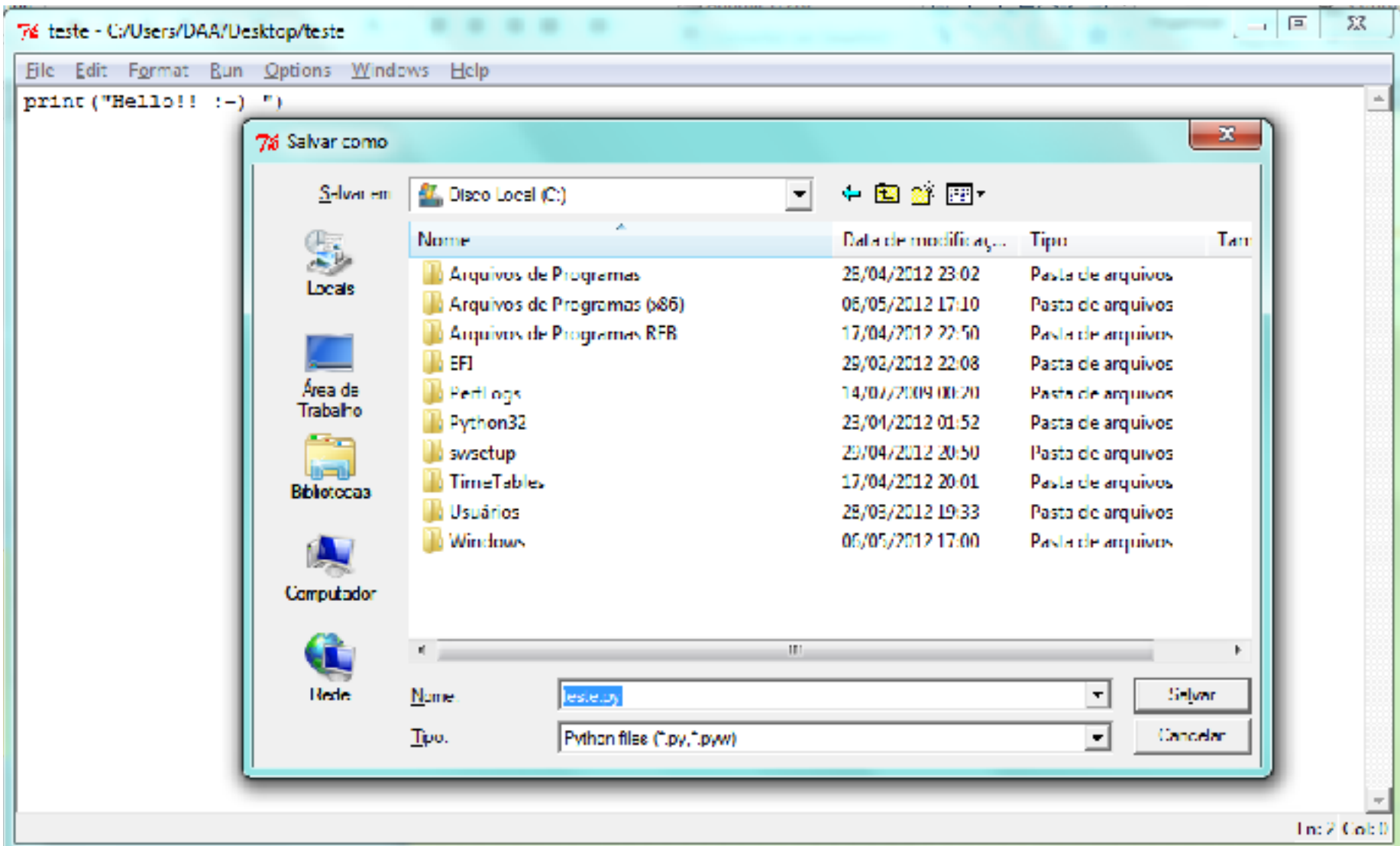
Arquivo .PY

```
File Edit Format Run Options Windows Help
print('Hello!! :-)' )
```

Ln: 2 Col: 0

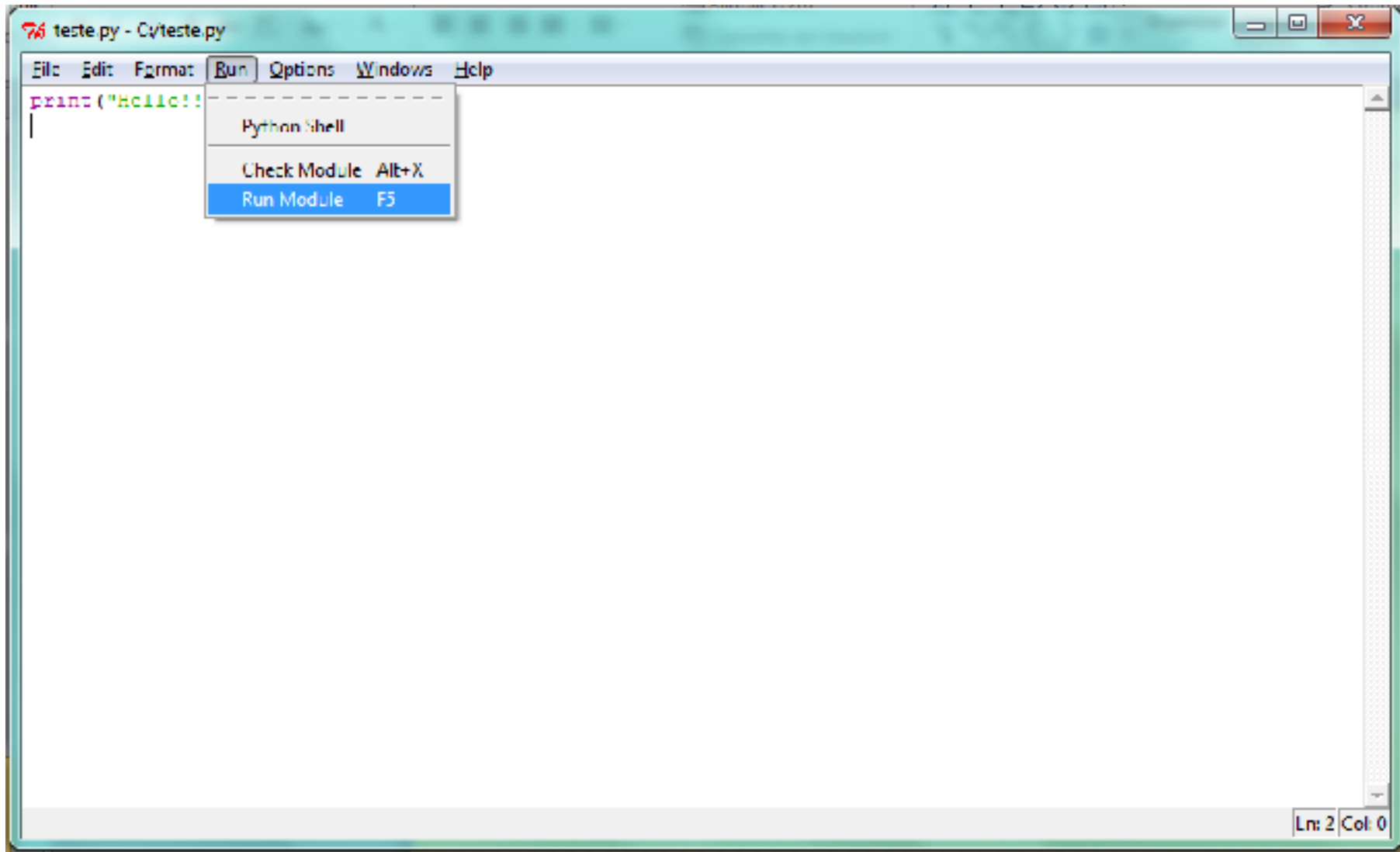


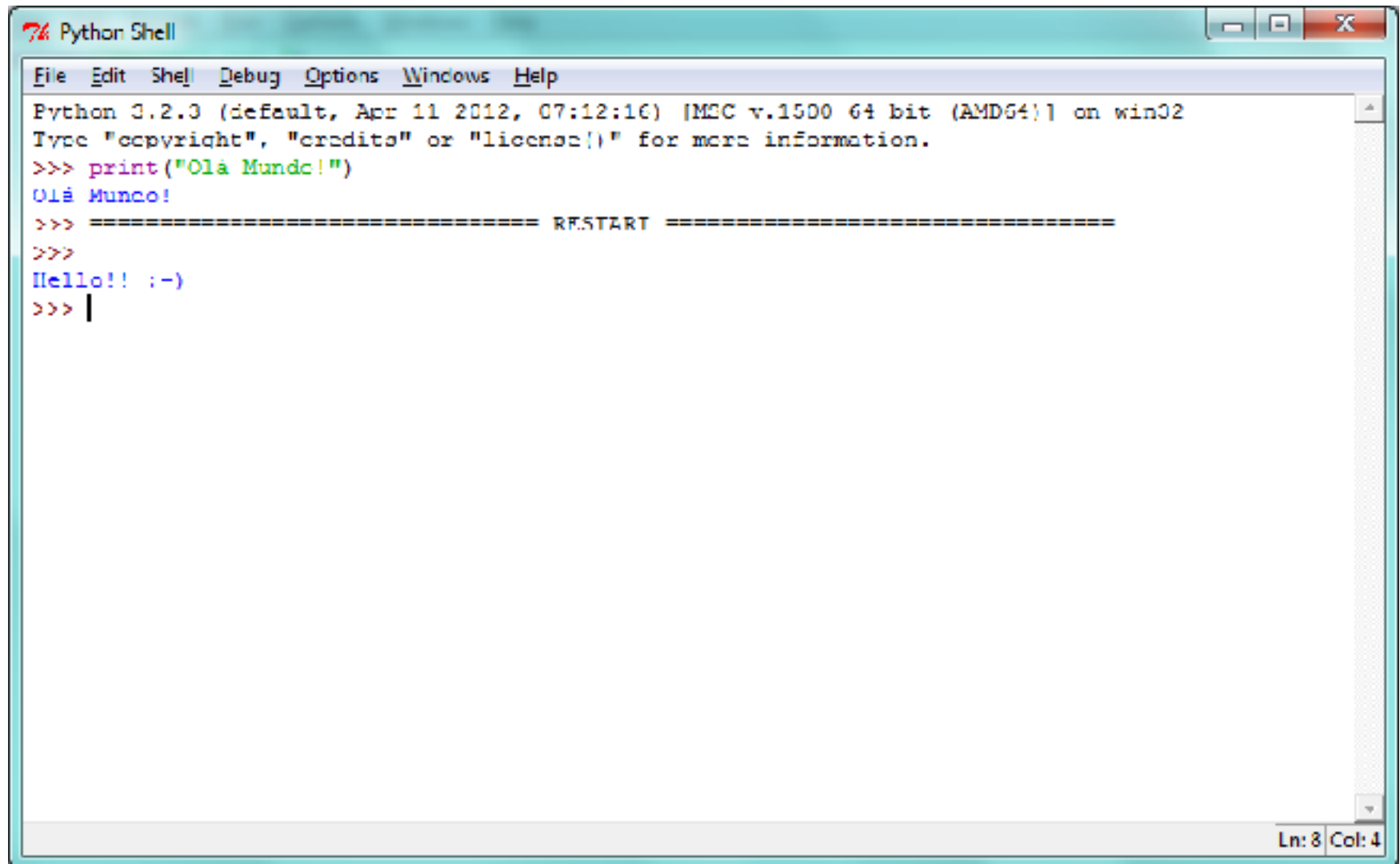
SALVANDO o arquivo .py





Executar (RUN)





```
Python Shell
File Edit Shell Debug Options Windows Help
Python 3.2.3 (default, Apr 11 2012, 07:12:16) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> print("Olá Mundo!")
Olá Munco!
>>> ===== RESTART =====
>>>
Hello!! :-)
>>> |
```

Ln: 8 Col: 4



Cuidados ao digitar seus programas

- Letras maiúsculas e minúsculas são diferentes;
- Não esqueça de usar aspas;
- Não esqueça de fechar as aspas;
- Parênteses NÃO são opcionais;
- Espaços são muito importantes



Vamos analisar o código

