

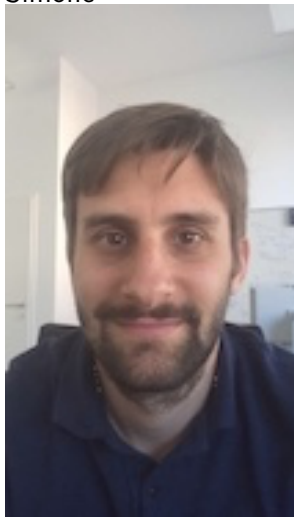
# Laboratorio di programmazione in Python

# Docenti

Laura



Simone



# Informazioni Utili

**Orario:** Martedì 14-16, Mercoledì 16-18, (Venerdì 9-11)

**Sito:** Moodle, 185SM - INFORMATICA 2016

## “Libri di Testo”:

- How to Think Like a Computer Scientist, Learning with Python, A. Downey  
J. Elkner C. Meyers,  
(versione iterativa:  
<http://interactivepython.org/courselib/static/thinkcspy/index.html>)  
(anche in italiano, Traduzione di Alessandro Pocaterra,  
<http://www.python.it/doc/Howtothink/Howtothink-html-it/index.htm>)
- <https://www.tutorialspoint.com/python/index.htm>

## Python - Download:

- <https://www.python.org/downloads/> (versione 3.6.1)
- PyCharm: <https://www.jetbrains.com/pycharm-edu/>
- Anaconda: <https://www.continuum.io/downloads>

# Python: un po' di storia

- Inventato da Guido van Rossum all'inizio degli anni '90
- Monty Python: comici inglesi, Monty Python Flying Circus (serie trasmessa dalla BBC 1969-1974) (inventori dello spam)



# Python: perché Python?

- Compatto

C

```
#include <iostream>
int main()
{
    std::cout << "Hello_World!";
}
```

Java

```
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello ,_World");
    }
}
```

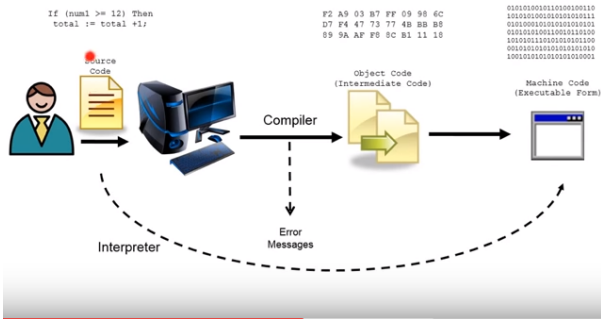
Python

```
print('Hello World')
```

# Python: perché Python?

- Interpretato

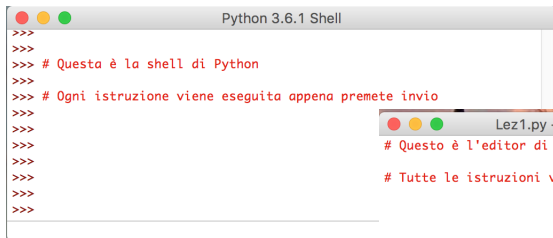
## Compilers & Interpreters (high-level)



# Python: perché Python?

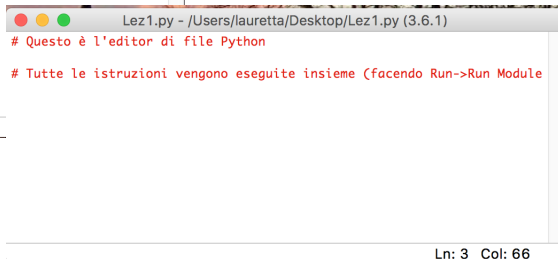
- Due modi usarlo:

- ▶ Shell
- ▶ Editor



A screenshot of a terminal window titled "Python 3.6.1 Shell". The window has a standard macOS-style title bar with red, yellow, and green buttons. The text inside the terminal is as follows:

```
>>>
>>>
>>> # Questa è la shell di Python
>>>
>>> # Ogni istruzione viene eseguita appena premete invio
>>>
>>>
>>>
>>>
>>>
>>>
>>>
```



A screenshot of a file editor window titled "Lez1.py - /Users/lauretta/Desktop/Lez1.py (3.6.1)". The window has a standard macOS-style title bar. The text inside the editor is as follows:

```
# Questo è l'editor di file Python

# Tutte le istruzioni vengono eseguite insieme (facendo Run->Run Module)
```

At the bottom right of the window, the text "Ln: 3 Col: 66" is displayed.