

Python for Beginners

IAP 2013

Student Information Processing Board

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Day 1

1. Background
2. Install Python
3. Using Python as a Calculator
4. “Hello World!”
5. Functions and Arguments
6. Control Flow Tools
7. Coding Challenge



Who Uses Python?

Google



Google Search

I'm Feeling Lucky



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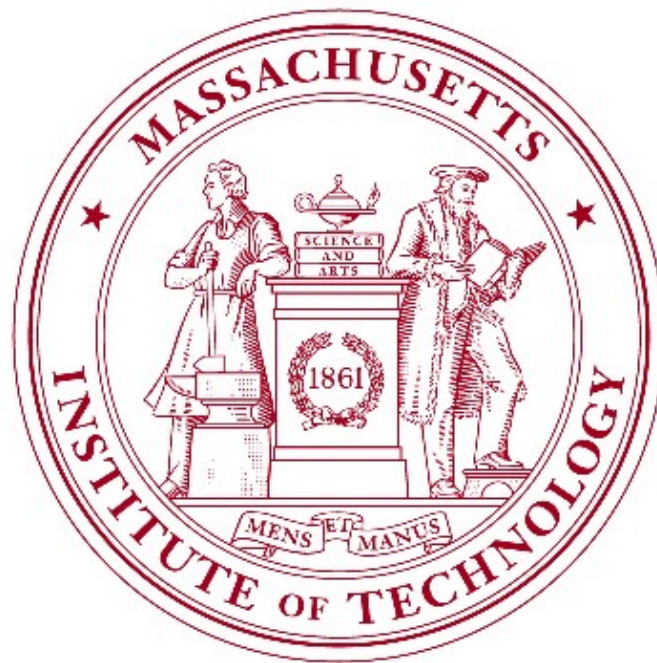


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django





Why Use Python?



Windows

1. Visit <http://www.python.org/getit/>
2. Install Python 2.7.3

Mac/Linux

1. Check if Python is already installed by opening a Terminal
2. In the Terminal, type:

```
your-user-name$ python --version  
Python 2.7.3
```

3. If it errors and you don't have Python call us over



Use Python as a Calculator



“Hello World?”



Functions and Arguments



Conditional Flow Tools



Coding Challenge!



If we list all the natural numbers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23. Find the sum of all the multiples of 3 or 5 below 1000.



End Day 1!



<http://bit.ly/11a8ITS>