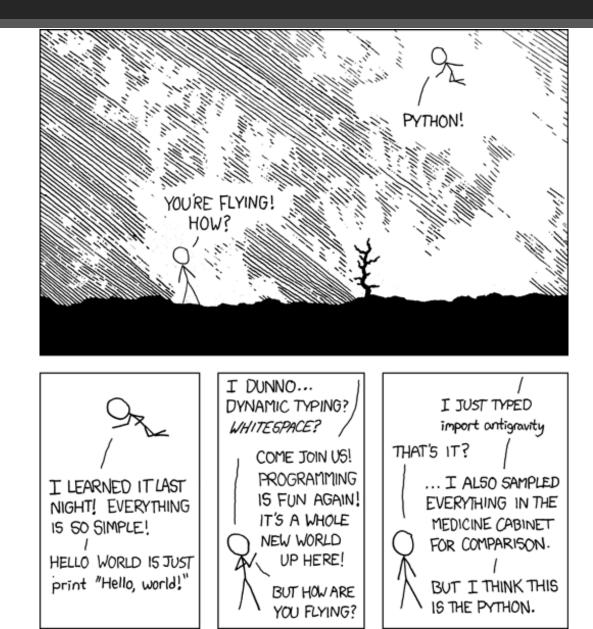
The single most important skill for a computer scientist [engineer] is problem solving. Problem solving means the ability to formulate problems, think creatively about solutions, and express a solution clearly and accurately. As it turns out, the process of learning to program is an excellent opportunity to practice problem-solving skills.

From "Think Python" by Allen Downey

Python



https://xkcd.com/353/

Hello World

• Python

• C++

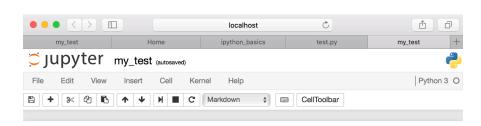
print("Hello world")

#include <iostream>
using namespace std;

```
int main() {
    cout << "Hello world\n";
    return 0;
}</pre>
```

Programing

- Environment
- Syntax
- Variables
- Arrays
- Loops
- Conditionals
- Functions
- Classes
- Etc.



My test notebook In [12]: a = 89.0 b = 99c = a+bprint "Hi there", a, b, "C = ", c if a < 5.5 : print "made it <" else : print ("made it >") Hi there 89.099 C = 188.0made it > In [13]: T = 298.15 # Temperature of the inlet (K) ss = "hi there" print ss hi there This is descriptive text In []:

Roadmap...

- Schedule
- Scientific Python Summary

