# CS105 Lab 4: Intro to Python

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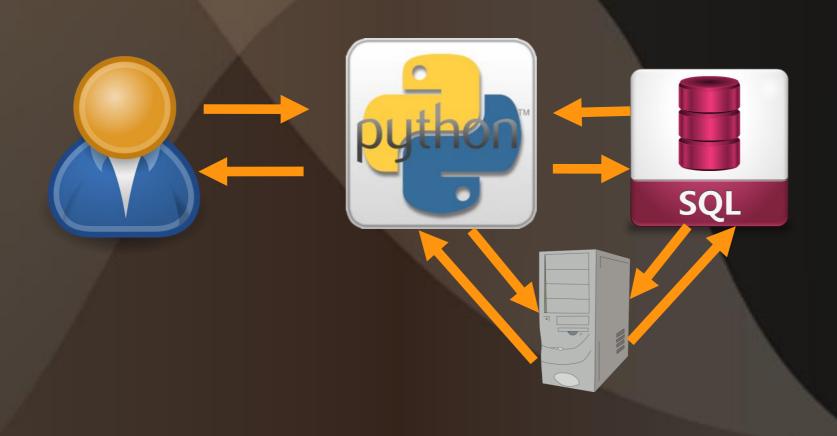
## Why Python?

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### Why Python?

- Python is
  - Relatively easy to pick up
  - Readable
  - Accessible IDLE shell
  - Loosely Typed
    - x = "Hello!" Python just knows x is a string
  - Overall great for a high level application like this

#### **Hello World**

```
#include <stdio.h>
main(int argc, const char* argv[]) {
  printf("Hello, World");
Python:
print("Hello, World!")
```

## International Obfuscated C Code Contest

The programming language C can be so hard to read, there is a contest dedicated to making the most unreadable code.

This is a winning entry from 2013.

This fully functioning program interprets handwritten text.

### Assignment

```
x = 3

num = eval(input("Enter a number: "))

y = 12

x = x + y + num

print(x)
```

• What does this program do?

#### This Lab

• Best way to learn to program is to do it! We're giving you building blocks, go play with them!

• Find the lab in the usual place

WebSubmit hello.py by the end of lab

Let me know if you have any questions!