**Python: Data Types**

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| --- | --- | --- |
| Data Type | Example Values | Type Casting |
| Integer | 30, -50, 5000 | int(variable)  int(‘50’) |
| Float | 5.012342  0.014541  -5000.1255 | float(variable) |
| Strings | ‘Any piece of text’ | str(variable) |
| Booleans | true or false  1 or 0 | bool(variable) |

The command to accept input is:

raw\_input()

The command to print output is:

print ‘inside quotes’

To create a variable called “myFirstInteger” with an initial value of 45, I would code:

myFirstInteger = 45

To create a variable called “myFirstString” with an initial value of “hello world”, I would code:

To cast the type of input from a string to an integer, I would code:

**Python – Lab 1**

**Data types, Input and Variables**

**80pt:**

Write a program that prints a welcome statement (of your choosing), and then asks the user to enter two integers, one at a time. The program will then print these numbers back out in the same order they were entered.

**90pt:**

Ask the user to enter their name, as well as the two integers. When the user has entered all of the information needed, print out the user’s name and the **sum** of the two numbers.

**100pt:**

Research how to make an **if-else** statement in Python, and ask the user if they would like to add or subtract the two numbers, then complete the requested command!