

Assembly terminology

- Jump: set the program counter (PC) to a specific address
- Branch: jump if a condition is satisfied (e.g., $\$s0 = \$s1$)
- Word: convenient size of data for a computer, 32 bits (4 bytes) in the version of MIPS that we will be using
- Load/Store: read/write data to/from memory
- Immediate: a value specified in the actual assembly instructions, not taken from a register

Add two numbers

- As a simple example MIPS program, we will add two numbers together, and store the result
- Program implementation in Python:

```
a = 1  
b = 2  
c = a + b
```