

TAMU 312 Worksheet 5

MIPS instruction reference:

- <http://suraj.lums.edu.pk/~cs423a05/Reference/MIPSCodeTable.pdf>
- <http://www.mrc.uidaho.edu/mrc/people/jff/digital/MIPSir.html>

SPIM tutorials:

- <http://cseweb.ucsd.edu/classes/wi12/cse141-a/demos/spim/PCSpim-Tutorial.pdf>
- <http://www.cs.uregina.ca/Links/class-info/201/SPIM-IO/lecture.html>

1. Write the assembly code for:

$$a = (d - c) + bd - b$$

2. Write the assembly code to calculate: $1 + 2 + \dots + 10$.

3. Write the assembly code to accept a positive integer N from user input, and calculate $1 + 2 + \dots + N$. Use SPIM system calls to accept user input. Assume that N is less than 1000 so you don't have to consider overflow.

4. Write the assembly code to find the biggest number from three user input numbers. Numbers can be negative or positive. Use SPIM system calls to accept user input.