Lab 1: Reading from switches and writing to LEDs on DE0. 微算機原理及應用實習 2014/9/29-10/4
Name: Student Id: Class: Group Id:

- Task 1: Input a number N with switches SW3 to SW0
  - Read SW3_0, store into memory location N and show on LED3_0.
  - Signature of TA after checking your result:
- Task 2: Compute $Sum_N = 1+2+…+N$ and store the result into memory location Sum.
  - Use switches SW7_0 to input the value of N at the beginning of your program.
  - Show Sum_N on LED9_0 at the end of your program.
  - Write down your assembly code with comments on the lab worksheet.
  - Compute Sum_N, where N=40 to 45 and record each sum shown on LED9_0 in a table on the worksheet.
  - Report any unusual observations and explain why they occur.
  - Signature of TA after checking your result:
- Task 3: Compute the remainder of dividing N by M, where N is a number inputted with swtiches SW7-0 and M is a number in memory.
  - Use switches SW7_0 to input the value of N at the beginning of your program.
  - Show the remainder on LED9_0 at the end of your program.
  - Write down your assembly code with comments on the lab worksheet.
  - Write down your tested cases of N, M, and their remainders in a table.
  - Signature of TA after checking your result: