

Name:

Student Id:

Class:

Group Id:

- Task 1: Show bits on LEDs and shift left
  - Input an 8-bit unsigned number N1 with switches SW7\_0 by hand
  - Show number on LED7\_0
  - Shift the number left and repeat showing on LED and shift
  - Repeat all the above steps when the number becomes 0
  - Write down your code, comments, flowchart, and 學習心得
  - Signature of TA after checking your result:
  
- Task 2a: Store each bit from SW[7:0] into each memory word of Bit7 to Bit0
  - Signature of TA:
- Task 2b: Use the memory words of Bit7 to Bit0 to get back the original number input from SW[7:0] and show the number on LED[7:0]
  - Signature of TA:
- Task 2c: Move the numbers from Bit7 to Bit6, Bit6 to Bit5,..., Bit1 to Bit0
  - Signature of TA:
  
- Task 2: Show bits on LEDs and shift right by combining the code fragments from Tasks 2a, 2b, 2c.
  - Write down your code, comments, flowchart, and 學習心得
  - Signature of TA after checking your result: