第 02 次組語實習課

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2023 Advanced Mixed-Operation System (AMOS) Lab.



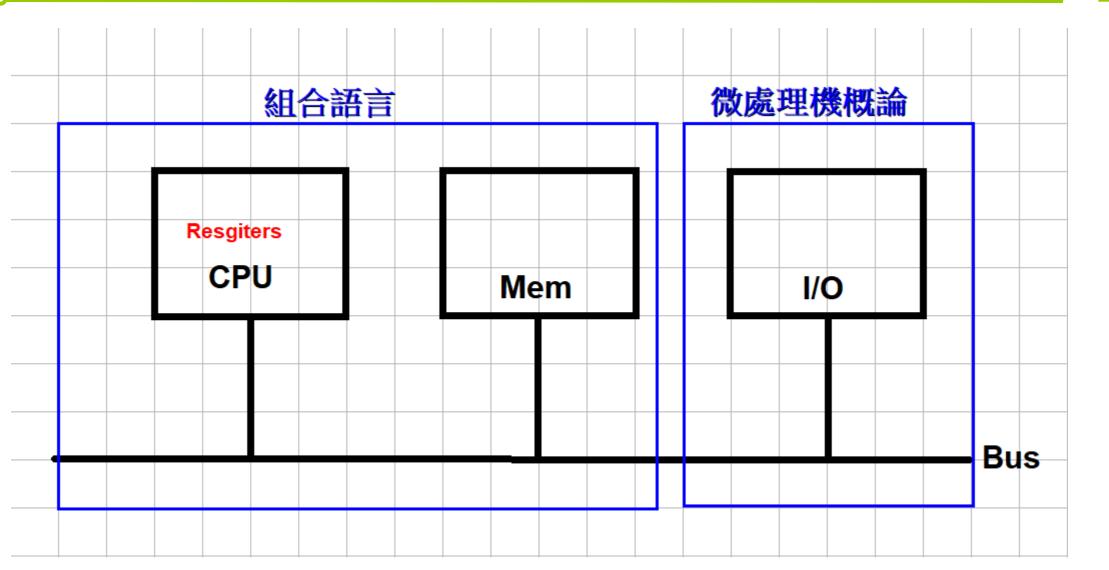
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Introduction

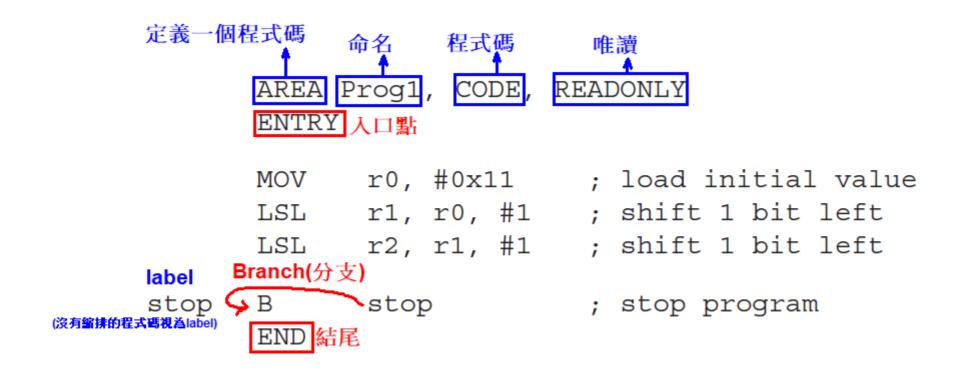






Program 1: Shifting Data(1/2)

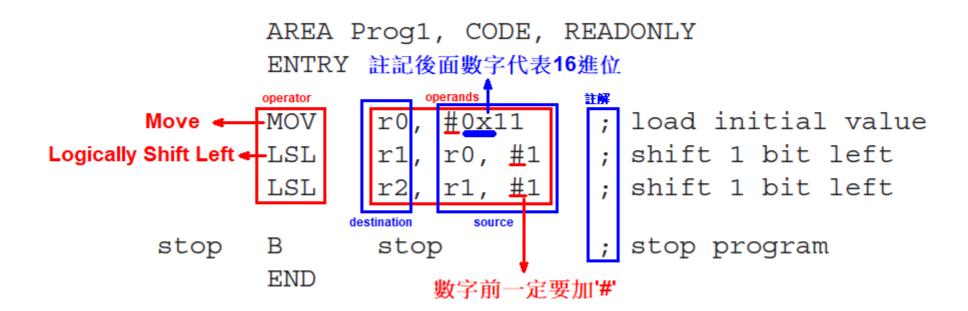






Program 1: Shifting Data (2/2)

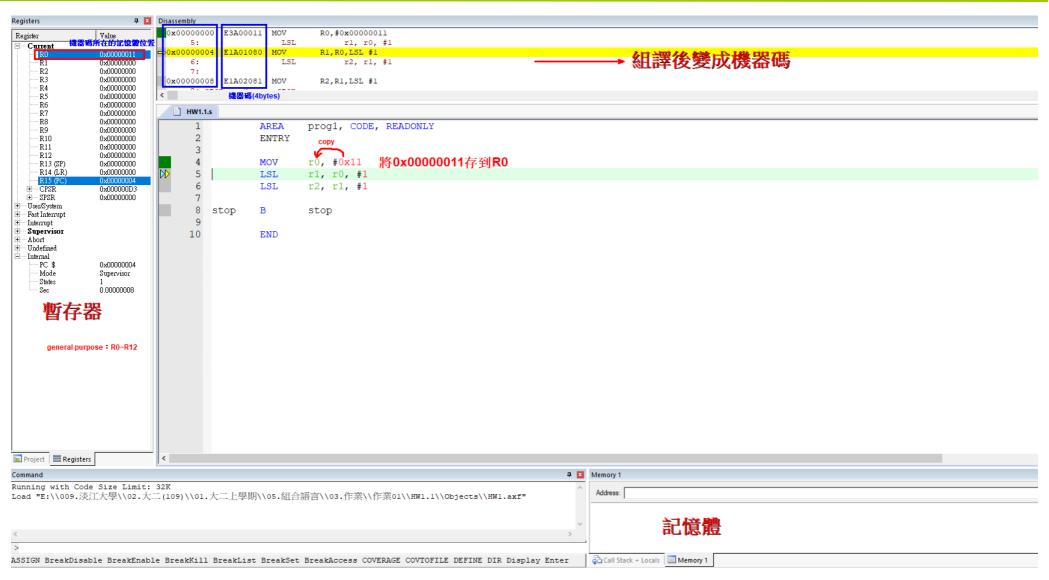






Program 1: Shifting Data using Keil Tool(1/3)

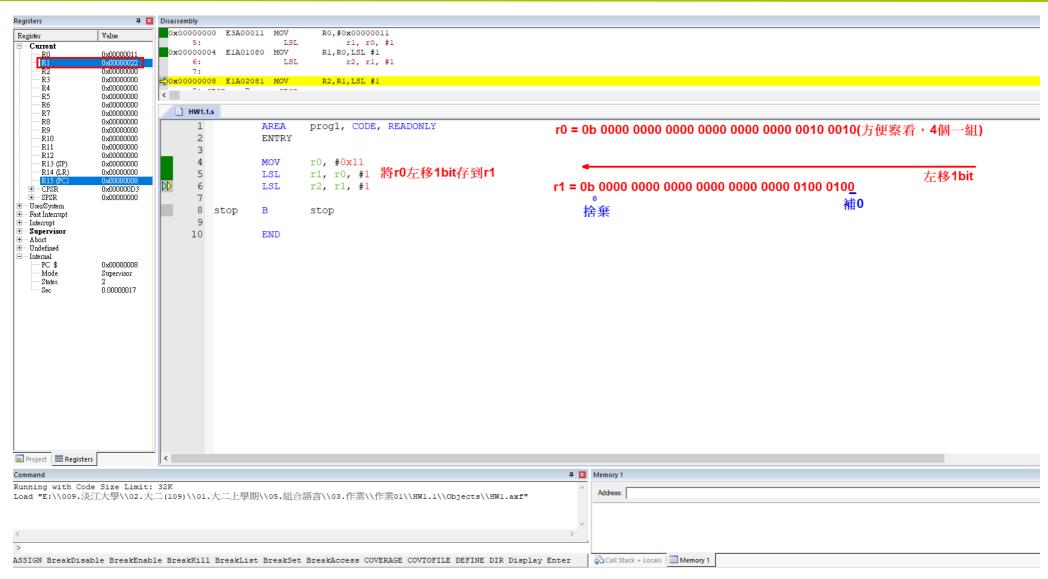






Program 1: Shifting Data using Keil Tool(2/3)

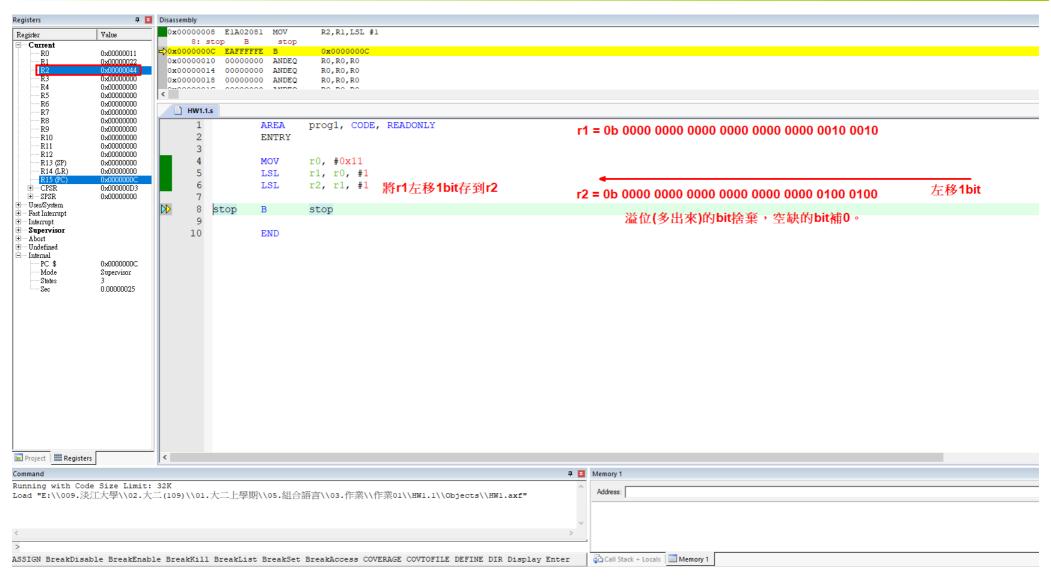






Program 1: Shifting Data using Keil Tool(3/3)







Program 2: Factorial Calculation

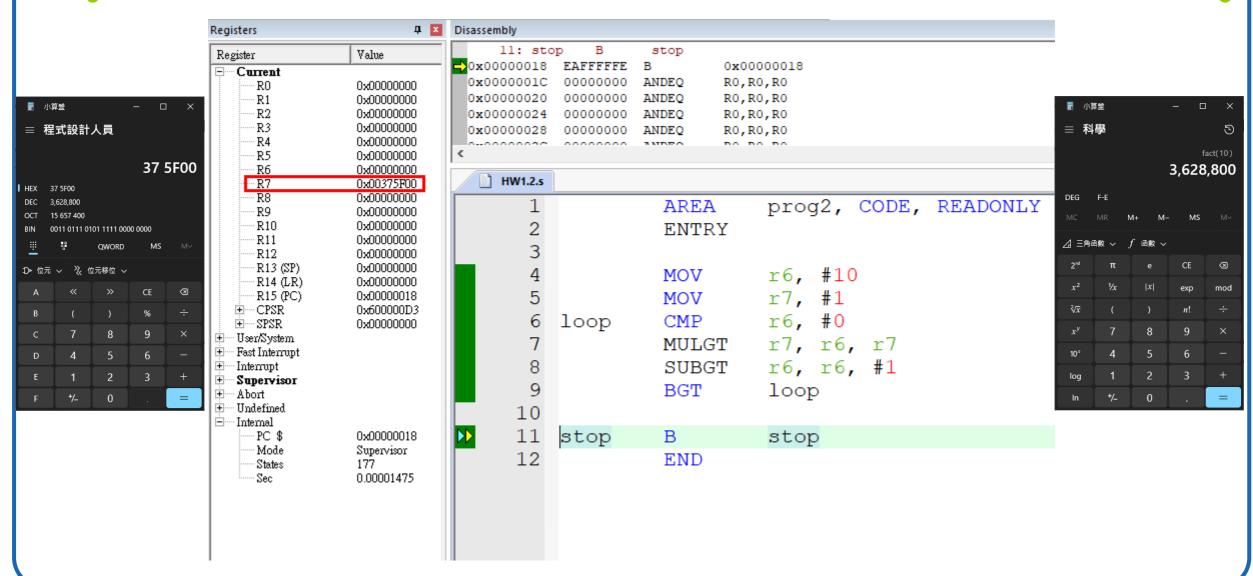


```
AREA Prog2, CODE, READONLY
         ENTRY
         MOV r6, #10 ; load n into r6
         MOV r7,#1; if n=0, at least n!=1
   Compare
         CMP r6, #0 ── 比較r6, 0
  loop
    Multiply MULGT r7, r6, r7
   Subtract SUBGT
               r6, r6, #1 ; decrement n
                stop ; stop program
  stop
         END
                conditional branch B<cond>
unconditional branch
                           GT > LT < EQ ==
                           GE >= LE <= NE !=
                     Greater Than or Equal
                                Less Than or Equal
```



Program 2: Factorial Calculation using Keil Tool









Q&A





Thanks for your attention !!