

# LAB 11

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**Due** Oct 5 by 11:59pm    **Points** 6    **Submitting** a file upload    **Available** until Oct 5 at 11:59pm

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This assignment was locked Oct 5 at 11:59pm.

This lab is intended to familiarize yourself with the following instructions and their affect on the CPSR register.

- add --Add,
- adc --Add with Carry,
- sub --Subtract,
- sbc --Subtract with Carry,
- rsb --Reverse Subtract, and
- rsc --Reverse Subtract with Carry.

1. Create two .word variables (iX and iY) and store the famous 0xDEADBEEF and 0xCAFEBAFE into each respectively.

2. Write code that that

- R0 = add(s) (iX, iY)
- R1 = adc (iX, iY)
- R2 = sub(s) (iX, iY)
- R3 = sbc (iX, iY)
- R4 = rsb (iX, iY)
- R5 = rsc (iX, iY)

3. Upload your code along with a single screenshot showing a memory dump of all of your variables and your resulting register values after completing the R5 = rsc() loc.

