Homework3

Question1. After an addition of two unsigned numbers, the C bit is set. What does it mean?

- 在两个无符号数相加后，如果结果超出32位，则C=1，意味着无符号溢出

Question 2. After an addition of two signed numbers, the V bit is set. What does it mean?

- 在两个有符号数相加后，如果结果超出32位，则V=1，意味着有符号溢出

Question 3. After a subtraction of two unsigned numbers, the C bit is set. What does it mean?

- 在两个无符号数相减之后，如果结果在32位之内C位置1，如果无符号溢出C位置0

Question 4. After a subtraction of two signed numbers, the V bit is set. What does it mean?

- 在两个有符号数相减之后，如果结果超出32位V位置1，意味着有符号溢出

Question 5. Assume there are two 32-bit variables in RAM memory called In and Out. Write C code that sets Out equal to In plus 1.

- Out=In+1

Question 6. Assume there are two 32-bit variables in RAM memory called In and Out. Write assembly code that sets Out equal to Inplus 1.

```
LDR R0,=In
LDR R1,[R0]
ADD R1,R1,#1
LDR R2,=Out
STR R1,[R2]
```