http://bit.ly/1VVgI7C

Start time: 12:00 PM
End time: 1:00 PM

Problem:

1. Take input two sorted array `A` & `B`. |A| = n and |B| = m; **[2 marks]**

Input	Output
4 0 1 4 7 3 -2 2 8 3 1 4 5 2 -2 -1	-2 0 1 2 4 7 8 -2 -1 1 4 5

2. Write a function `void f(int A[], int n, int B[], int m, int C[])` that will take two sorted array and merge them in another array `C`. Condition is the merged array should also be a sorted one. **[7 marks]**
   [don't do any input/ output in this function]

   ```
   A = [1, 3, 5, 7, 12];
   B = [0, 0, 2, 3, 4, 5, 6, 14];
   C = [0, 0, 1, 2, 3, 3, 4, 5, 5, 6, 7, 12, 14];
   ```

   And make sure C has enough space to accommodate n+m elements.

3. Print the Array C. **[1 marks]**

4. Can you do it without any additional array `C`. Write a function **[2 marks bonus]**
   `g(int A[], int n, int B[], int m)`

   This function will modify A so that A will contain the merge of A & B in a sorted form. And make sure A has enough space to accommodate n+m elements.