Please make sure to study the following instructions before taking the coding test. The coding test link will be sent to you in a separate email via **Codility**:

Please note that you are only going to take the test **ONCE** and we don't provide retakes. You are only given **35 minutes** as well to answer the coding test. Please answer it diligently.

1. Find the bug(s) and modify one line of code in the incorrect implementation of a function solutionthat is supposed to return the smallest element of the given non−empty array A which contains at most 1000 integers within range [-1000..1000].

Notice that for the example test case A = [-1, 1, -2, 2] the attached code is already returning the correct answer (−2).

2. Write a function solution that returns a string of length N consisting of alternating characters: "+" and "-", starting with a "+" character. You can assume N is between 1 and 100.
For example, given N = 5, your function should return "+-+-+" and given N = 4, it should return "+-+-".

3. Write a function
NSMutableArray * solution(int N);

that, given an integer N (1 ≤ N ≤ 100), returns an array containing N unique integers that sum up to 0. The function can return any such array.

For example, given N = 4, the function could return [1, 0, −3, 2] or [−2, 1, −4, 5]. The answer [1, −1, 1, 3] would be incorrect (because value 1 occurs twice). For N = 3 one of the possible answers is [−1, 0, 1] (but there are many more correct answers).