Lab 14

Write a method named *stretch* that accepts an array of integers as a parameter and returns a new array twice as large as the original, replacing every integer from the original array with a pair of integers, each half the original. If a number in the original array is odd, then the first number in the new pair should be one higher than the second so that the sum equals the original number. For example, if a variable named list refers to an array storing the values *{18, 7, 4, 24, 11}*, the call of stretch(list) should return a new array containing *{9, 9, 4, 3, 2, 2, 12, 12, 6, 5}.* (The number *18 is stretched into the pair 9, 9*, the number *7 is stretched into 4, 3*, the number *4 is stretched into 2, 2*, the number *24 is stretched into 12, 12* and the number *11 is stretched into 6, 5*.).

Use do-while loop to access the elements of the array.