

### Problem 1

Will create an array that will compare elements such as

[8,5,3,4]

[**8**,5,3,4]

[5,8,3,4]

Have to call Problem1Sort[x]

### Problem 2

Will split the array in half by  $a.length/2$

After each half, will sort them and then will make a new list comparing each half list.

### Problem 3

Compare each number with every number and will replace that number from where it is supposed to be placed. Then the output will show what was added and what was removed.

Need to add values to test.add()

### Problem 4

Crte an array such as

[8,5,3,4]

Called Function Problem04Solving()