**7 kyu**

**Flatten and sort an array**

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Java

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Challenge:

Given a two-dimensional array of integers, return the flattened version of the array with all the integers in the sorted (ascending) order.

Example:

Given [[3, 2, 1], [4, 6, 5], [], [9, 7, 8]], your function should return [1, 2, 3, 4, 5, 6, 7, 8, 9].

Addendum:

Please, keep in mind, that JavaScript is by default sorting objects alphabetically. For more information, please consult:

<http://stackoverflow.com/questions/6093874/why-doesnt-the-sort-function-of-javascript-work-well>

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package javaapplication77;

import java.util.ArrayList;

import java.util.Collections;

/\*\*

\*

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\*/

public class JavaApplication77 {

public static int[] flattenAndSort(int[][] array) {

//return new int[0];

ArrayList<Integer> lista =

new ArrayList();

for(int i =0; i<array.length; i++) {

for(int j =0; j<array[0].length; j++) {

lista.add(array[i][j]);

}

}

Collections.sort(lista);

int[] r = new int[lista.size()];

for(int i =0; i<lista.size(); i++) {

r[i] = lista.get(i);

}

return r;

}

public static void main(String[] args) {

// TODO code application logic here

}

}