**7 kyu**

**Sort Out The Men From Boys**

20594% of 20254 of920[MrZizoScream](https://www.codewars.com/users/MrZizoScream)

Java

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**Scenario**

*Now that the competition gets tough it will* ***Sort out the men from the boys*** .

***Men*** are the ***Even numbers*** and ***Boys*** are the ***odd*** !alt !alt

**Task**

***Given*** an *array/list [] of n integers* , ***Separate*** *The even numbers from the odds* , or ***Separate*** ***the men from the boys*** !alt !alt

**Notes**

* ***Return*** *an array/list where* ***Even numbers*** ***come first then odds***
* Since , ***Men are stronger than Boys*** , *Then* ***Even numbers*** in ***ascending order*** While ***odds in descending*** .
* ***Array/list*** size is *at least****4*** .
* ***Array/list*** numbers could be a *mixture of positives , negatives* .
* ***Have no fear*** , *It is guaranteed that no Zeroes will exists* . !alt
* ***Repetition*** of numbers in *the array/list could occur* , So ***(duplications are not included when separating)***.

**Input >> Output Examples:**

1- menFromBoys ({7, 3 , 14 , 17}) ==> return ({14, 17, 7, 3})

***Explanation***:

***Since*** , { 14 } is the ***even number*** here , So it ***came first*** , ***then*** *the odds in descending order* {17 , 7 , 3} .

2- menFromBoys ({-94, -99 , -100 , -99 , -96 , -99 }) ==> return ({-100 , -96 , -94 , -99})

***Explanation***:

* ***Since*** , { -100, -96 , -94 } is the ***even numbers*** here , So it ***came first*** in *ascending order*, ***then*** *the odds in descending order* { -99 }
* ***Since*** , ***(Duplications are not included when separating)*** , *then* you can see ***only one (-99)*** *was appeared in the final array/list* .

3- menFromBoys ({49 , 818 , -282 , 900 , 928 , 281 , -282 , -1 }) ==> return ({-282 , 818 , 900 , 928 , 281 , 49 , -1})

***Explanation***:

* ***Since*** , {-282 , 818 , 900 , 928 } is the ***even numbers*** here , So it ***came first*** in *ascending order* , ***then*** *the odds in descending order* { 281 , 49 , -1 }
* ***Since*** , ***(Duplications are not included when separating)*** , *then* you can see ***only one (-282)*** *was appeared in the final array/list* .

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ALL translations are welcomed

Enjoy Learning !!

**Zizou**

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\*/

package javaapplication58;

import java.util.ArrayList;

import java.util.Collections;

import java.util.HashSet;

/\*\*

\*

\* @author Usuario

\*/

public class JavaApplication58 {

public static int[] menFromBoys( int[] values) {

// Your Code is Here .. Enjoy !! , Don't Forget To Vote :wink: :wink

//return null;

HashSet<Integer> hash = new HashSet();

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

hash.add(values[i]);

}

ArrayList<Integer> unicos = new ArrayList();

for(int item : hash) {

unicos.add(item);

}

ArrayList<Integer> evens = new ArrayList();

ArrayList<Integer> odds = new ArrayList();

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

if(unicos.get(i) % 2 == 0) {

evens.add(unicos.get(i));

}

else{

odds.add(unicos.get(i));

}

}

Collections.sort(evens);

Collections.sort(odds);

Collections.reverse(odds);

ArrayList<Integer> ans = new ArrayList();

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

ans.add(evens.get(i));

}

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

ans.add(odds.get(i));

}

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

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

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

}

return r;

}

public static void main(String[] args) {

// TODO code application logic here

int[] a = new int[] {-17,-45,-15,-33,-85,-56,-86,-30};

int[] b = new int[] {-86,-56,-30,-15,-17,-33,-45,-85};

for(int item : menFromBoys(a)) {

System.out.print(item + " ");

}

}

}