

SE-1105 HOMEWORK-2

Write a C program that includes the functions listed as follows:

<code>weirdSort(..)</code>	Takes an integer array and its size as parameters. Sorts the elements with even indexes in increasing order and the elements with odd indexes in decreasing order. Note that after sorting, the elements with even indexes should still remain at even indexes and the elements with odd indexes should remain at odd indexes (See the example below)
<code>readArray(..)</code>	Takes an integer array and its size as parameters. The function must fill the array with integers read from the user.
<code>printArray(..)</code>	Takes an integer array and its size as parameters. Prints the contents of the array in a single line separated by spaces
<code>weirdPrint(..)</code>	Takes an integer array and its size as parameters. Prints the contents of the array in two separate lines where in the first line it prints the elements with even indexes and in the second line it prints the elements with odd indexes.
<code>main()</code>	reads an array of size 10 by using readArray function. Sorts the array by using weirdSort function. Prints the array by using weirdPrint function

Example If the array is { 10, 5, 2, 7, 3, 9, 11, 6, 8, 13} then after sorting with weirdSort it should be {2, 13, 3, 9, 8, 7, 10, 6, 11, 5}

The result of printing should be as:

```
2 13 3 9 8 7 10 6 11 5
```

The result of weird printing should be as

```
2 3 8 10 11
13 9 7 6 5
```