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\* Project 1 - SortsTester

\*/

Merge Sorted array: [-40, 2, 3, 4, 5, 5, 17, 18, 19, 19, 23, 23, 34, 67, 122, 300]

mergeSort succeeded in sorting this array: true

Quick Sorted array: [-40, 2, 3, 4, 5, 5, 17, 18, 19, 19, 23, 23, 34, 67, 122, 300]

quickSort succeeded in sorting this array: true

////////////////////////////////////////////////////////////////////////////////////////

Sorts soides = new Sorts();

int array1[] = { 34, 67, 23, 19, 122, 300, 2, 5, 17, 18, 5, 4, 3, 19, -40, 23 };

int array2[] = { 34, 67, 23, 19, 122, 300, 2, 5, 17, 18, 5, 4, 3, 19, -40, 23 };

//MERGESORT

soides.mergeSort(array1, 0, array1.length-1);

System.out.print("Merge Sorted array: [");

for (int x = 0; x < array1.length; x++)

{

System.out.print(array1[x]);

if(x+1 != array1.length) {

System.out.print(", ");

}

}

System.out.println("]");

System.out.println("mergeSort succeeded in sorting this array: " + soides.isSorted(array1));

//////////////////////////////////////////////////////////////////

//QUICKSORT

soides.quickSort(array2, 0, array2.length-1);

System.out.print("Quick Sorted array: [");

for (int y = 0; y < array2.length; y++)

{

System.out.print(array2[y]);

if(y+1 != array2.length) {

System.out.print(", ");

}

}

System.out.println("]");

System.out.println("quickSort succeeded in sorting this array: " + soides.isSorted(array2));