

CMPE2300 - ICA06 - Ordering My Blocks - Again..

In this ICA you modify your ica05 **Comparable** interface to allow your blocks to be sorted, and add additional comparison methods to provide identical functionality.

Start by copying your existing ica05 solution folder in your ica repository - renaming the solution folder to ica06. The contents will be the same (solution and project name), but we will tweak as required. Open your new solution, rename the form title and commit to get a starter.

Our goal is to strip out the static member of sort type, its enumeration definition and all references to it in the CompareTo() method. CompareTo() should blindly provide a return value based on the block size - this time in reverse order (big to small).

Add a comparison compliant method called CompareByDistance. Return the appropriate value such that it can be used to sort by center distance from the origin (like ica05), but again, in reverse order (farther are first).

Add a comparison compliant method called CompareByColor. Return the appropriate value such that it can be used to sort by color integer equivalent (like ica05), but again, in reverse order.

Main Form :

Modify your Radio buttons callback handler to invoke Sort() to maintain the old functionality, but using your comparison methods for Sort() instead of the setting the sort type via your now non-existent static sort member.

Your previous experience should speed testing of this mini-ica.