Write a search in OurArrayList using the Binary search code.

Problem is that OurArrayList takes generics, not ints.

I will give you the steps to be able to retrofit the class

1. Add to the OurArrayList class an IComparer<E> comparer variable
2. Have the OurArrayList constructor take this IComparer and set the variable
3. In the Search(E item) method (that you are going to write) first make sure the IComparer<E> comparer is not null (if it is null return -1).
4. First sort the internal array, you can use Array.Sort(theArray, int startingIndex(0), int length(Count), comparer);
5. Where in the BinarySearch method from class in the check for

if (number > array[mid])

instead use comparer.Compare(item, arr[mid]).

1. Now create an OurArrayList <Person> pass it an IComparer<Person> fill the OurArrayList with Persons.
2. Now create a person, call Search() with that person and have it find the index.