1. Study Nguyen, Chapter 4.1, 4.2 subsections Abstract sorter class, Implementation of ASorter, Implementation of a sort application, Implementation of MergeSorter.

2. Do Nguyen, Exercise 4–2 to implement the `join()` method of `MergeSorter`.

   The main program is in the `SortInt` project, and it includes file `MergeSorter.hpp`, which is in the `ASorter` project. Create a new project named `ASorter` and add the `.hpp` files to the list of header files. There are no `.cpp` files to add to the list of source files. `ASorter` does not have a main program, so you should not attempt to build it.

   You will need to put `ASorter` in the path for the include files in NetBeans for the `SortInt` project, in addition to the usual `ASeq`, `ArrayT`, and `Utilities` directories. The main program is in the `SortInt` project, which is the one you should build.

   The program `SortIntMain` will prompt you for a file name of data to sort. You can use data from the files `i050`, `i100`, `i200`, `i400`, `i600`, `i800`, which contain 50, 100, 200, 400, 600, and 800 random integer values respectively.

   Hand in only
   
   `MergeSorter.hpp`

   electronically per the instructions for your course.