Portfolio Activity 1.4

In the previous topics you used searching and sorting algorithms on various data structures. In this assessment task you will create a console application that will populate a matrix with non-repeating random numbers. Then sort the matrix across each row and each column using the pseudo code supplied to create a Young Tableau.

Next you will create a Step-Wise Linear Search method to locate a value in the matrix. The matrix must be square using a variable which can be altered from 5-8. The random numbers must be from 10 to 100 inclusive. A separate display method must be used after each method call to demonstrate the matrix values in a table format.

Ref: https://en.wikipedia.org/wiki/Young\_tableau

* Create a document to save the following items,

1. Code for each method with comments that explain the algorithm,
2. Test data table and results for search method

* Record your testing session with a series of screen captures.
* Add comments to all the code (not XML)