**Problem 1**

Write the following method that returns the location of the largest element in a two-dimensional array.

**public static int**[] locateLargest(**double**[][] a)

The return value is a one-dimensional array that contains two elements. These two elements indicate the row and column indices of the largest element in the two-dimensional array. Write a test program that prompts the user to enter a two-dimensional array and displays the location of the largest element in the array. Here is a sample run:

<Output>

Enter the number of rows and columns of the array: 3 4

Enter the array:

23.5 35 2 10

4.5 3 45 3.5

35 44 5.5 9.6

The location of the largest element is at (1, 2)

<End Output>

**Problem 2**

Write the following function that tests whether a two-dimensional list has four consecutive numbers of the same value, either horizontally, vertically, or diagonally.

**public** **static** **boolean** isConsecutiveFour(**int**[][] values)

Write a test program that prompts the user to enter the number of rows and columns of a two-dimensional list and then the values in the list and displays True if the list contains four consecutive numbers with the same value. Otherwise, display False. Here are some examples of the true cases:

