CS 1301 Programming Assignment#12

11/15/2016 ConnectFour

Fares

1. Write a java class named ConnectFour that accomplishes the following:
2. Declares a 6 by 7 two dimensional array of type integer.
3. Populates randomly the array with values range from 0 to 9.
4. Displays the two-dimensional array in a table format
5. Tests whether a two-dimensional array has four consecutive numbers of the same value, either horizontally, vertically, or diagonally. You may have several methods to check for different types (horizontal, vertical, or diagonal)
6. Write a test program named MyConnectFour12 that prompts user whether to generate an array and test it, or to quit. At the end of each test, the program should display the array in a nice way and states if the array has four consecutive of the same value, either horizontally, or vertically.
7. Bonus. Handle the diagonal option.
8. Bonus Bonus. If you implement the ConnectFour game
9. Attach (do not turn in any hardcopy) via BlazeView the following items:
   1. Program report
   2. Sample output
   3. ConnectFour
   4. MyConnectFour12
   5. Zip and attach all your files
   6. Make sure that:
      1. The program is well documented and readable.
      2. The output is well labeled and aligned