CSE131 Quiz 7 (retry)
Arrays
November 9, 2007

1. Write a method named `agreement` with the following specification.
   Parameters: two integer arrays of the same length
   Return value: an array of booleans that indicates where the two given arrays have the same
   value in corresponding positions

   Example: If the given arrays are \([2 \ 4 \ 0 \ 1 \ 6]\) and \([5 \ 4 \ 1 \ 0 \ 6]\),
   the return value would be \([false \ true \ false \ false \ true]\)
   because the two arrays agree at indices 1 and 4

   ```java
   boolean[] agreement(int[] a, int[] b) {
       boolean[] result = new boolean[a.length];
       for (int i = 0; i < a.length; i++)
           result[i] = (a[i] == b[i]);
       return result;
   }
   ```

2. Write a method named `reverse` with the following specification.
   Parameters: \(row\), an array of integers.
   Effect: Switch around the values in the array so that they end up in the reverse order.
   Example: If the given array starts as \([4 \ 5 \ 6 \ 7 \ 8]\) then afterwards it would contain \([8 \ 7 \ 6 \ 5 \ 4]\)
   Do not create a new array. Modify the given one.
   Hint: Use a variable to hold a value temporarily while swapping elements.

   ```java
   void reverse(int[] row) {
       for (int i = 0; i < row.length/2; i++) {
           int temp = row[i];
           row[i] = row[row.length-1-i];
           row[row.length-1-i] = temp;
       }
   }
   ```