Homework 4

Due: Thursday Oct. 17 by 11:55 PM in NYU Classes
Five day late period ends Tuesday Oct. 22 at 11:55PM.

Do the following two exercises. For each one, upload your java program and call your program the specified name.

1. Exercise 6.31. Call this program Exercise6_31.java when you upload it. Note that this program reads the integer arrays as input using the method nextInt(), then calls a method to merge two the arrays into a new third array. Your method should work even if one or both arrays are empty.

2. Write a program that asks for a String to be input, and then produces a second string with any consecutive repeated characters deleted. For example, if the input string is \textit{s1 = "haarabb"} then the output string should be \textit{s2 = "harab"}. Call this program RemoveChars.java.

To answer this question, you can use the the methods \texttt{s.charAt(i)} and \texttt{s.length()}, and remember that you can concatenate a string and a character using the plus sign, for example \texttt{s+ch}. Do not use any other methods from the String class.