// Kelvin Kellner

// DUP: Removes any consecutive duplicate characters within a given String and returns the result

public static String dup(String word, int start)

// Start: the character index of the word to start searching for duplicates (use 0 for the whole word)

{

if(start>=word.length()-1) // If we have reached the final character of the word...

return word; // Return our new clean String

else if(word.charAt(start)==word.charAt(start+1)) // If the next character is a duplicate of the current character...

return dup(word.substring(0, start+1) + word.substring(start+2,word.length()), start); // Run the method again at its current position, for the whole word after the one duplicate character is deleted

else // Otherwise the next character is not a duplicate, so...

return dup(word, start+1); // Run the method again from the next character in the word.

}