Remove Trailing Zeros From String in Java

[**2.6**](https://www.geeksforgeeks.org/easy/)

Given a string of digits, remove trailing zeros from it.

Examples:

Input : 00000123569

Output : 123569

Input : 000012356090

Output : 12356090

[**Recommended: Please try your approach on *{IDE}* first, before moving on to the solution.**](https://ide.geeksforgeeks.org/)

We use [StringBuffer](https://www.geeksforgeeks.org/g-fact-27-string-vs-stringbuilder-vs-stringbuffer/) class as [Strings are immutable](https://www.geeksforgeeks.org/string-class-in-java/).

1) Count trailing zeros.  
2) Use StringBuffer replace function to remove characters equal to above count.

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| // Java program to remove trailing/preceding zeros  // from a given string  import java.util.Arrays;  import java.util.List;    /\* Name of the class to remove trailing/preceding zeros \*/  class RemoveZero  {      public static String removeZero(String str)      {          // Count trailing zeros          int i = 0;          while (str.charAt(i) == '0')              i++;            // Convert str into StringBuffer as Strings          // are immutable.          StringBuffer sb = new StringBuffer(str);            // The  StringBuffer replace function removes          // i characters from given index (0 here)          sb.replace(0, i, "");            return sb.toString();  // return in String      }        // Driver code      public static void main (String[] args)      {          String str = "00000123569";          str = removeZero(str);          System.out.println(str);      }  } |

Run on IDE

Output:

123569