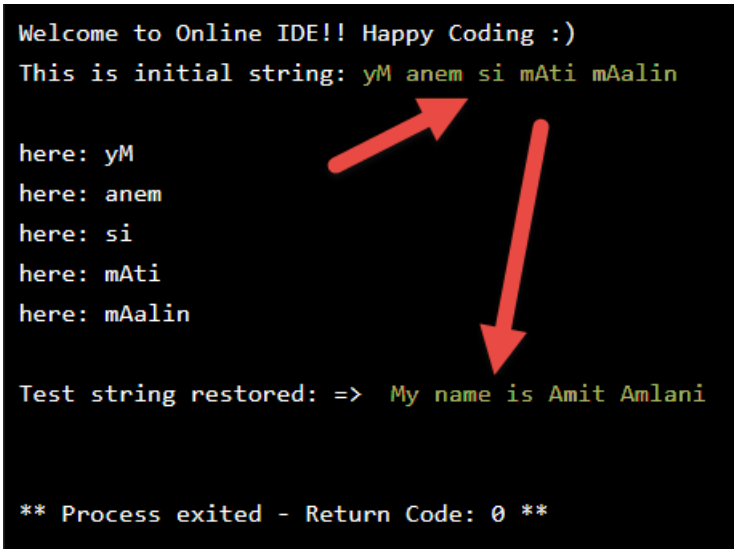
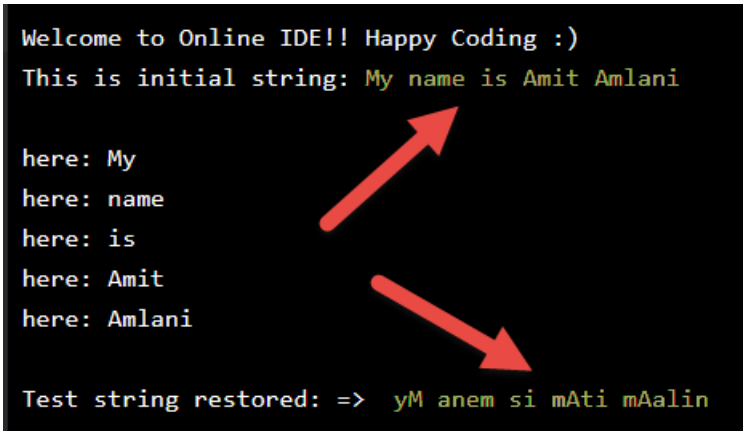
********** OUTPUT **********



This reflects exact opposite as top scenario



*** CODE **

```
/*
Online Java - IDE, Code Editor, Compiler

Online Java is a quick and easy tool that helps you to build, compile, test your programs online.
*/

import java.util.*;

public class Main
{
   public static void main(String[] args) {
      System.out.println("Welcome to Online IDE!! Happy Coding :)");



      StringBuilder sb = new StringBuilder();

      int k=0;
      int numberWords=0;

      // need to run a method to detect the number of whitespaces.
      // This will ascertain length of String array

       //String testSample = "yM anem si mAti mAalin";  // This is test sample where letters have been swapped.
      String testSample = "My name is Amit Amlani"; // This will be used to check if the string reverses the same.



      System.out.println("This is initial string: " + testSample + "\n");

      for (int i=0; i<testSample.length();i++)   // This is ascertain the words array length
      {
         if (testSample.charAt(i)==' ')  // it counts number blankspaces
         {
            numberWords++;
         }
      }

      String [] words = new String[numberWords+1]; // this is increased by one since 5 words constitutes 4 whitespaces...



      StringJoiner sj = new StringJoiner(" ");

      StringTokenizer st = new StringTokenizer(testSample);

      String temp="";
```

```
      while (st.hasMoreTokens())
      {
         temp = st.nextToken();

         words[k]=temp;
         k++;
         System.out.println("here: " + temp);   //verify all tokens stored in array


         for (int q=0; q<temp.length(); q=q+2)  //increments by two
         {
               sb.append(temp.charAt(q+1));   //this adds the odd sequence character first
               sb.append(temp.charAt(q));  // this adds the even character next
         }

         sj.add(sb);  // This adds the formatted string into StringJoiner
         sb.delete(0,sb.length());  // Removes contents of StringBuilder in preparation for next
String Token

      }

      System.out.println("\n" + "Test string restored: =>  " +  sj);
   }
}
```