**String Based Task-1**

T & P Assignment

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Q1. Write a JAVA program that captures input from the user and swaps the  
letters two at a time in the string. The first two characters change  
places, the third and fourth characters change places, etc. Assume that  
the program will only take an even number of characters, otherwise,  
there will be an error.  
  
Compile and test your code with a few different values   
ENTER ANY STRING:  HOME  
YOUR OUTPUT : ohem  
ENTER STRING:  OCIDGN  
YOUR OUTPUT: coding

ENTER STRING: ABC  
YOUR OUTPUT: ERROR

import java.util.Scanner;  
public class AssignmentJava1 {

public static String swap(String word) {  
 if (word == null || word.isEmpty()||word.length()% 2 == 1) {  
 return "ERROR";  
 }  
 char[] ch = word.toCharArray();  
  
 for (int i = 0; i < ch.length - 1; i = i + 2) {  
 char temp = ch[i];  
 ch[i] = ch[i + 1];  
 ch[i + 1] = temp;  
 }  
 return new String(ch).toLowerCase();  
 }

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

System.out.print("ENTER ANY STRING:");  
 String word = scan.next();  
 System.out.println(swap(word));  
  
 }

}

OUTPUTS

  
