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Object Oriented Computing

Assignment 4 Reverse a String

This Java program allows the user to input a string and receive its reversed version. The program accepts a string from a user and stores that string within a character array. A for loop is used to cycle through the array switching the index spots of each character until the array is completely reversed. Once the array is completely reversed, it is transformed back into a string and printed as the output results to the user.

Code:

import java.util.Scanner;

public class ReverseStringy {

    public static void main(String[] args)

    {

        Scanner scan = new Scanner(System.in);

        System.out.println("Type in a String = ");

        String UserInput = scan.nextLine();

        char[] Array = UserInput.toCharArray();

        int i,j;

        for(i = 0, j = Array.length - 1; i < j; i++, j-- )

        {

            char holder = Array[i];

            Array[i] = Array[j];

            Array[j] = holder;

        }

        String BackWardsString = new String(Array);

        System.out.println("Your output reversed: "+ BackWardsString);

        scan.close();

    }

}