Write a program to reverse a word using loop

CODE:

import java.util.Scanner;

public class reverseWord {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a word: ");

String word = scanner.nextLine();

String reversedWord = reverseWord(word);

System.out.println("Reversed word: " + reversedWord);

scanner.close();

}

public static String reverseWord(String word) {

char[] charArray = word.toCharArray();

int start = 0;

int end = charArray.length - 1;

// Loop to swap characters from start to end

while (start < end) {

// Swapping characters

char temp = charArray[start];

charArray[start] = charArray[end];

charArray[end] = temp;

// Move to the next characters

start++;

end--;

}

// Construct the reversed word from the character array

return new String(charArray);

}

}

OUTPUT:

C:\javap>javac reverseWord.java

C:\javap>java reverseWord

Enter a word: Euphoria

Reversed word: airohpuE

