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1 //to form a new word using non palindrome words
2 import java.util.*;
3 class
4 non_palindrome
5 //class starts
6 {
7     public static void
8     main() //main starts
9     {
10         Scanner sc=new Scanner(System.in);
11         System.out.println("Enter Any Sentence ");
12         String str1=sc.nextLine();
13         String rev="",word="",
14         npw=""; //initialising the
15         variables
16         int count=0;
17         str1=str1+" ";
18         System.out.print("Palindrome Words in this sentence are : ");
19         for(int a=0;a<str1.length();a++)
20         {
21             if(str1.charAt(a)==' ')
22             {
23                 if(word.equals(rev)) //to check
24                     length back and forth
25                 {
26                     System.out.print(rev+" ");
27                     count++;
28                 }
29                 else
30                 {
31                     int
32                     //if the word is
33                     non-palindrome
34                     npw=npw+word.charAt(0)+word.charAt(l-1);
35                 }
36                 rev="";
37                 word="";
38             }
39             else
40             {
41                 rev=str1.charAt(a)+rev;
42                 word=word+str1.charAt(a);
43             }
44         }
45         System.out.println("\nNumber of Palindrome Words :
46         "+count); //to print the palindrome words
47         System.out.println("New word formed is :
48         "+npw); //to print the new word
49     }
50 }
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}  
//class ends
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