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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                    l=word.length();         non-palindrome
26                    npw=npw+word.charAt(0)+word.charAt(l-1);   //if the word is
27                }
28                rev=" ";
29                word="";
30            }
31            else
32            {
33                rev=rev+str1.charAt(a);      //to print the palindrome words
34                word=word+str1.charAt(a);
35            }
36        }
37        System.out.println("\nNumber of Palindrome Words : "
38 "+count);                                     //to print the new word
39        System.out.println("New word formed is : "
40 "+npw);
```

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41 } //class ends
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