**write a java Program to print smallest and biggest possible palindrome word in a given string.**

package pblm;

import java.util.\*;

public class pro2

{

public static void main(String[] args){

Scanner s = new Scanner(System.*in*);

System.*out*.println("Enter the string:");

String str = s.nextLine();

String w="", sp = "", bp="";

String[] ws = new String[100];

int t = 0, c = 0;

str = str.toLowerCase();

str = str + ' ';

for(int i = 0; i < str.length(); i++){

if(str.charAt(i) != ' '){

w = w + str.charAt(i);

}

else{

ws[t++] = w;

w = "";

}

}

for(int i = 0; i< t; i++){

String a=ws[i];

boolean flag = true;

for(int j = 0; j < a.length()/2; j++){

if(a.charAt(j) != a.charAt(a.length()-j-1)){

flag = false;

break;

}

}

if(flag==true){

c++;

if(c == 1)

sp = bp = ws[i];

else{

if(sp.length() > ws[i].length())

sp = ws[i];

if(bp.length() < ws[i].length())

bp = ws[i];

}

}

}

if(c == 0)

System.*out*.println("No palindrome is present in the given string");

else{

System.*out*.println("Smallest palindromic word: " + sp);

System.*out*.println("Biggest palindromic word: " + bp);

}

}

}

**Output:**

