2. Write a Java Program to find the largest and smallest word in a string.

import java.io.\*;

import java.util.\*;

public class Main{

static void printLargestAndSmallestWord(String str)

{

String[] arr=str.split(" ");

int i=0;

int maxlength,minlength;

maxlength=Integer.MIN\_VALUE;

minlength=Integer.MAX\_VALUE;

String largest,smallest;

largest = smallest = "";

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

if(arr[i].length() < minlength){

smallest=arr[i];

minlength=arr[i].length();

}

if(arr[i].length() > maxlength) {

largest=arr[i];

maxlength=arr[i].length();

}

}

System.out.println("The largest and smallest word is \"" + largest +

"\" and \"" + smallest + "\"");

}

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.println("Enter the text string");

String str;

str=sc.nextLine();

printLargestAndSmallestWord(str);

}

}

