S.No: 22	Exp. Name: ***Maximum and minimum values in a list of numbers***	Date:2025-10-02

Aim:

Ravi is developing an application to find the maximum and minimum values in a list of numbers. Write a Java program using ArrayList to assist Ravi in implementing this functionality.

Input Format:

The user will input a list of numbers, each represented as an integer, one by one. The user will enter any non-numeric character to indicate the end of the input.

Output Format:

The first line is the maximum value in the list.

The second line is the minimum value in the list.

Source Code:

q29086/MaxMinFinder.java

```
package q29086;
import java.util.ArrayList;
import java.util.Scanner;

public class MaxMinFinder {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        ArrayList<Integer> numbers = new ArrayList<>();

      // write the code..
      while(scanner.hasNextInt()){
         int num = scanner.nextInt();
         numbers.add(num);
      }
      if(numbers.size()>0){
         int max = numbers.get(0);
         int min = numbers.get(0);
         for(int num : numbers){
            if(num > max){
               max = num;
            }
            if(num < min){
               min = num;
            }
         }
         System.out.println(max);
         System.out.println(min);
      }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output

10
-8
-14
25
62
I
62
-14

Test Case - 2
User Output
85
-2
96
32
21
25
14
0
*
96
-2