

My Solution on Assignment 2 - Problem 5

This is my Solution of Assignment 2 - Problem 5 from the [Computer Science Course CS106A](#) of Prof. [Mehran Sahami](#) at the [STANFORD University](#).

FindRange.java

```
/*
 * File: FindRange.java
 * Name: Axel Werner
 * Section Leader:
 * -----
 * This file is the starter file for the FindRange problem.
 */

import acm.program.*;

public class FindRange extends ConsoleProgram {

    /**
     * Main Program to requests a list of integers from the user
     * to determine and report the min. + max. numbers in the list.
     */
    public void run() {
        println("FindRange\n"+
            "=====\\n\\n" );

        println("Please enter a list of integer Numbers, one a
line,\\n" +
            "or enter '" + SENTINEL + "' to finish the data
entry.\\n" );

        input = readInt("?:");
        if(input==SENTINEL){
            /*
             * Special Case 2:
             * No values has been entered. Aborting Programm with
             * special note.
             */
            println("No Values has been entered. Aborting Programm.");
        } else {
            /*
             * Special Case 1:
             * Since this is the FIRST VALUE it is also the smallest
             * AND the largest entry so far i put it
             * to the Stats.
             * Background:

```

```
        * integer vars seem to get a "default value" of "ZERO"
when defined.
        * That makes is problematic when comparing with min and
max.

    */
    max=input;
    min=input;
    while(    input != SENTINEL    ){
        if(input>max){
            max=input;
        }
        if (input<min) {
            min=input;
        }
        input = readInt("?:");
    }
    println(    "Thanks!\n"    );
    println(    "Smallest Number entered is: "    + min    );
    println(    "Largest Number entered is: "    + max    );
}

private static final int SENTINEL = 0;

private int min;
private int max;
private int input;
}
```

— Axel Werner 2012-04-02 17:09

[java](#), [karel](#), [stanford](#), [university](#), [cs106](#), [computer](#), [science](#), [learning](#), [programming](#)

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