Lab 2 – Reflection and Results

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1 Reflection

1.1 Erlang vs. Java

With choosing to make use of the natural loops that are available to Java, coding this program between Erlang and Java required two different approaches. For a basic algorithm like this one, its complexity could be measured by how many total lines of code were needed. But, from my experience with this lab, that is not an accurate measurement of complexity. Because of the fact that I do not favor recursion over a basic for loop, the Erlang version was more complex yet it required many less lines to accomplish the same goal. The difficulty that I faced while coding the Erlang version can certainly be attributed to my inexperience with the syntax but also is because of the forced recursive nature. While this program in Erlang may be easier to code, I still think that it is harder to understand conceptually.

2 Results

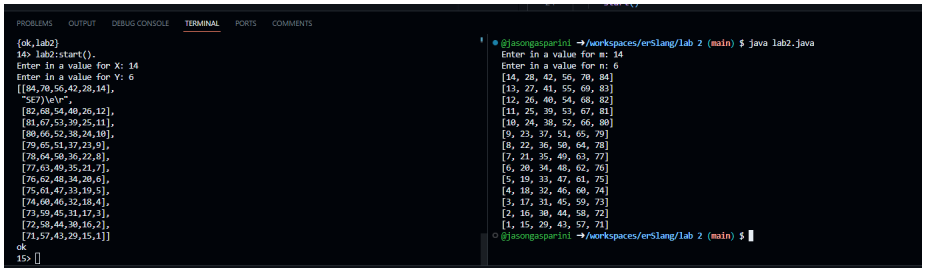

Figure 1: 1st successful run mirrored across

Figure 2: 2nd successful run

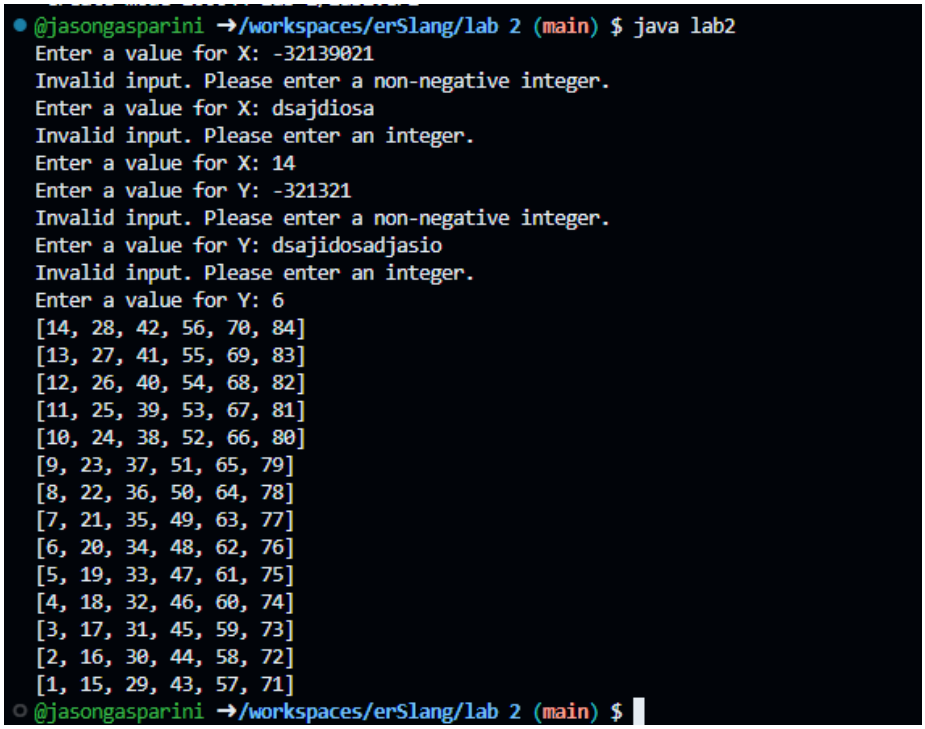

Figure 3: Java run with error checking/unexpected inputs

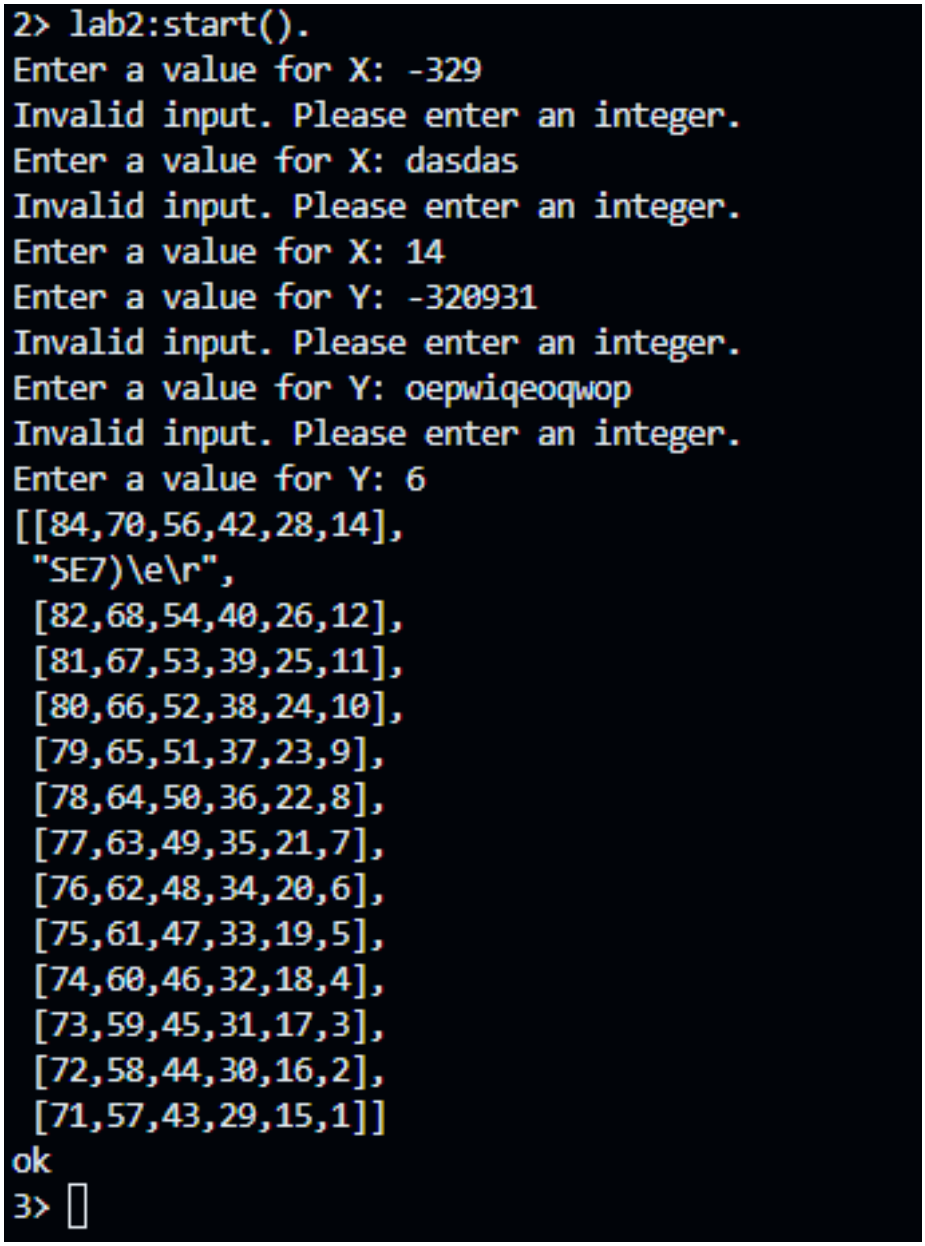

Figure 4: Erlang run with error checking/unexpected inputs, List 13 has all printable ASCII characters