

The first difference you might notice is that for the first row, we just noted that it was

the largest so far. But, for later rows, we compared the row to what we had previously

noted down as our largest so far. The first row is a bit unusual here because we have

nothing else to compare it to. We did something implicit that we did not write

The other difference you might notice is that sometimes we updated what we

steps in red where we did not update the largest so far, and in green where we

It is when the current rows temperature is higher than the largest so far's

recorded as the largest so far, while other times we did not. We marked the first rows

temperature. Thinking through these patterns leads us to the following thoughts on

If the largest so far is nothing, meaning we don't have one yet, then the current row is

After thinking through that, we can express our algorithms in terms of, for each row in

For each row, which we will call currentRow, you will want to decide how to update the

We have not said anything about what largestSoFar starts as, so we should be sure to

put that in here. We mentally glossed over this while we were writing down our steps,

The last step, which we did write down, was to give our 6th row as our answer after we

It is always going to be the largestSoFar, the row that we have been keeping track of as

We should test this out before we try to write our code. Try it out on these four rows of

data. Does the algorithm give the right answer? Yes it does. We are now more confident

that we wrote our algorithm correctly so we are ready to turn it into code.

but we implicitly started with it as nothing before we began looking at each row. We

the largest so far. Otherwise, if the row's temperature is greater than the largest

so far's temperature, then the current row is the largest so far.

update in purple as we just discussed how it is different from the others. And mark the

incorporate that into our generalized steps.

how to decide when to update the largest so far.

largestSoFar variable, as we have just discussed.

should write that down in our algorithm here.

Is the answer always gonna be the 6th row?

finished looking at each row.

we worked through the data.

down. We check if our largest so far was nothing, or something first. We'll need to

2:39

3:09

3:30

3:43

3:59

4:06

4:16

4:35

4:44

4:47 No.

4:49

4:57

the CSV file.

did. What is the pattern?