Programming Exercise 11.3

My City, v.4.0

Purpose. Learn how to search an array, to count matching values.

Requirements. Modify Exercise 11.2's `myCity3.py`, adding loops to count how many times the high temperature occurs and how may times the low temperature occurs. Output the results. Name the new program `myCity4.py`.

Here are the changes from v.3.0:

1. Prompt the user for the 5 temperatures.

2. Count the number of times the high and low temperatures occur. In the output say "once" or "one time" if the count is only one. Otherwise say something like "2 times".

3. Use additional variables to avoid typing the city name and the days more than once each.

4. Do not output the source.

Program I/O. <u>Input</u> console input of 5 daily high temperatures. <u>Output</u> same as v.3.0, adding counts.

Example. The output should look something like:

```
Enter the high for San Jose on Wednesday, Aug 25: 79
Enter the high for San Jose on Thursday, Aug 26: 80
Enter the high for San Jose on Friday, Aug 27: 80
Enter the high for San Jose on Saturday, Aug 28: 76
Enter the high for San Jose on Sunday, Aug 29: 71

San Jose forecast high temperatures:
Wednesday, Aug 25, 79 degrees
Thursday, Aug 26, 80 degrees
Friday, Aug 27, 80 degrees
Saturday, Aug 28, 76 degrees
Sunday, Aug 29, 71 degrees

The high for the week is 80 degrees, occurring 2 times
The low for the week is 71 degrees, occurring once
```