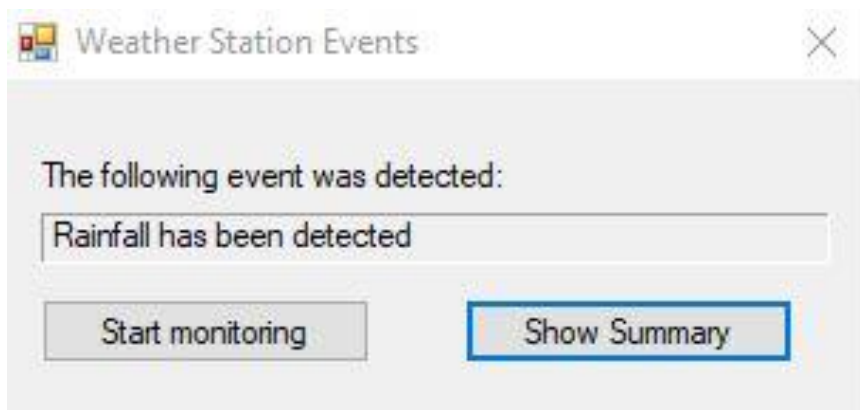


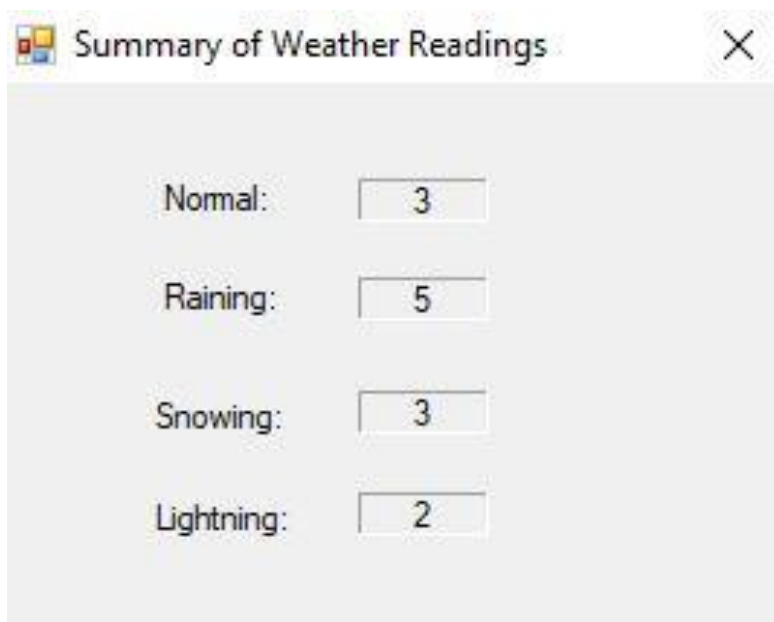
Weather Station Summary

The purpose of this programming challenge is to show how events raised by a class can be broadcast to more than one class.

Create a *Summary* form, that keeps a running count of each type of event raised by the WeatherStation class. The Summary form's class contains an event handler for each type of event raised by the WeatherStation class. Just before showing the Summary form, the main form can pass to it a reference to the same WeatherStation object declared at the top of the main form. Use the Show (not ShowDialog) method to display the Summary form. As events appear on the main form, the summary form counts the number of each type of event that has been raised so far.



A Windows-style dialog box titled "Weather Station Events" with a close button (X) in the top right corner. The text "The following event was detected:" is displayed above a text box containing "Rainfall has been detected". Below the text box are two buttons: "Start monitoring" and "Show Summary". The "Show Summary" button is highlighted with a blue border.



A Windows-style dialog box titled "Summary of Weather Readings" with a close button (X) in the top right corner. It displays four rows of weather data, each with a label and a text box containing a count:

| | |
|------------|---|
| Normal: | 3 |
| Raining: | 5 |
| Snowing: | 3 |
| Lightning: | 2 |