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Code Review

The code did not compile, when I tried to run it gave me this message: System.Data.SqlClient.SqlException: 'A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: SQL Network Interfaces, error: 50 - Local Database Runtime error occurred. Cannot create an automatic instance. See the Windows Application event log for error details.

The code is very neat but I am unsure how you set up the add to list box in line 38, 53, 71, 90, and 106 and what the -7 and -10 etc. means or did for the program. I like how you set up the LINQ statements on one line, I am going to implement this into my next code. For line 82 maybe explain the lamda and how it works with the equation. I think where you created the datacontext in each method seemed like it could be factored out by using one datacontext after the form1 initialization instead of every method without putting new contexts in each one. I think the exceptions are handled appropriately in greaterbuttonclick, lessbuttonclick, and minmaxbutton, but for the other ones I would put into a tryparse or a try catch statement to catch the potentially bad input from the user. There solution looked a lot better and more put together as a program than mine, and the implementation of lamdas I got a little more understanding of just by seeing an example of yours than the book explained. There is a tradeoff with the differences between his and my code, and one of them would be performance I think his would perform a bit faster at runtime than mine and his having a clear method before each helps with errors as well.

I prefer his approach more by using the lamdas for the LINQ statements instead of my approach I think his saves a lot of room by only using one line of code. He did use a listbox which I liked how he structured the for statements but am more comfortable with datagrids. I did really like how his form looked being color coded and very easy to see being bold.