Recersal_EA

What I have done:

- Taken a new template EA from the Alveo Code Editor and placed it into a Visual Studio Solution.
- Created the class `Reversal_EA : ExpertAdvisorBase`
- Added class `REVERSAL_TRADER_Obj`.
- Added `class FTRobj`.
- Added `class Decycler_obj`.
- Added `class SUPERSMOOTHER_3Pole_obj`.
- Added `class ALMAobj`.
- Added the User Settings variables.
- Added the constructor code for `Reversal_EA()`.
- Added initialization for the indicator variables and User Settings.
- Added variable: `REVERSAL_TRADER_Obj reversaltrader;`
- Added simulation flag: `public bool simulate;`
- Added the other simulation variables.
- Added initialization of the simulation variables
- For simulation, added `public Reversal_EA(bool optimizing, DateTime time, string path)` constructor.
- Added Alveo simulation routines: GetDigits, GetSymbol, and GetBar.
- Added the dumpData routine to generate the CSV file contents.
- In the Start routine added: `Bar theBar = GetBar();  reversaltrader.Calc(theBar);` then dumdata.
- In VS solution, add Program.cs Console application for simulation and testing.
- Also Added HistoricalData.cs file in order to load historical data for Tickstory Lite data file.

In order to run the simulation:

1. Go to https://github.com/dbaechtel/JohnnyU and download the files.
2. Copy the EURUSD.M15.Bar.UTC data file to your C;//temp directory to be read by `HistoricalData.cs`.
3. Download the Reversal_EA.Zip routine and expand it using the password “johnnyU”.
4. In the JohnnyU directory, double click on the JohnnyU.sln file to load the solution into VS.
5. In VS Solution Explrer, make sure that the JohnnyU project is set as the startup project.
6. Set a Breakpoint on line 68 of the Program.cs file.
7. In the Reversal.cs file, add Breakpoints in all of the catch code blocks.
8. In VS, under the Build menu, click Rebuild Solution with no errors.
9. Push the Start button to begin running the simulation.
10. The simulation will run 100 bars of EUR/USD M15 data and break on line 68.
11. In C:\temp\rev directory, you will find the REVERSAL_TRADER Log,csv file that you can load into Excel and graph the results.
12. You can copy the Reversal_EA.cs file into Alveo, use the Code Editor to Build it, and add the EA to a Chart to begin running it with Alveo.