

Siemens Intro to Structured Control Language (SCL) in TIA Portal with S7-1200/1500

Kelly Anton | 10-24-2019

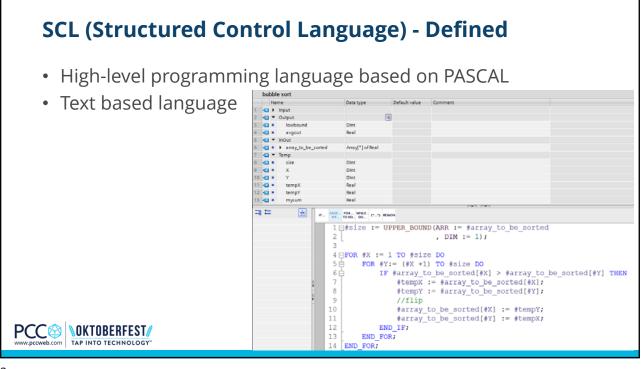


1

Agenda

- Brief Overview of SCL
- SCL Editor
- Create simple SCL block
- Debugging SCL
- Data types
- Program Control
- Math, Strings and Arrays
- Live Demos

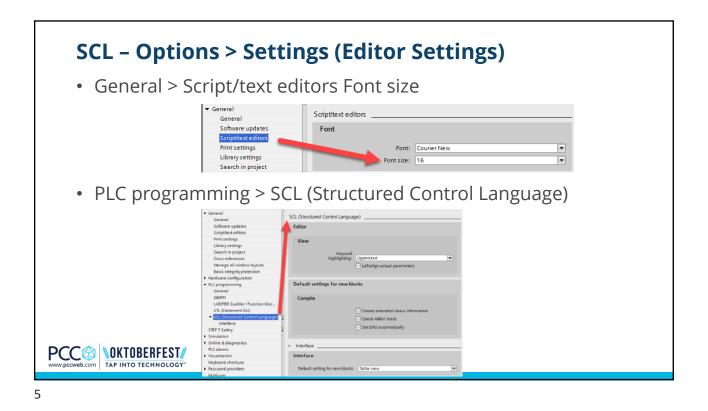


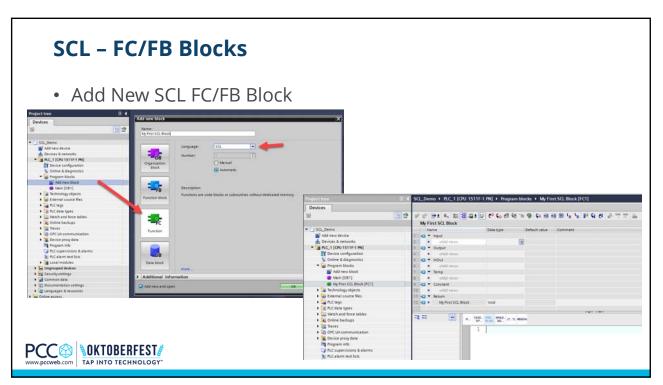


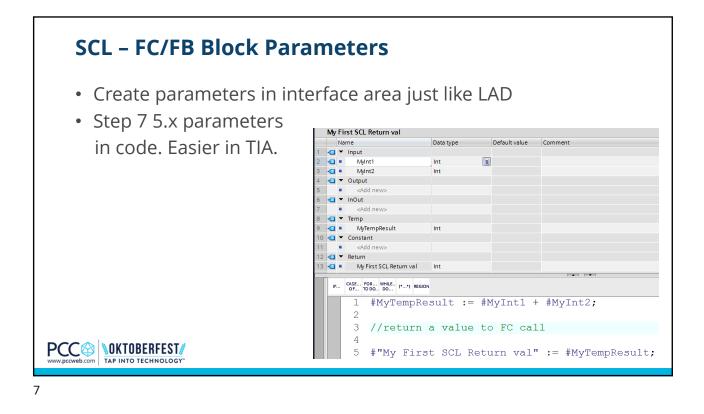
SCL – Common Uses

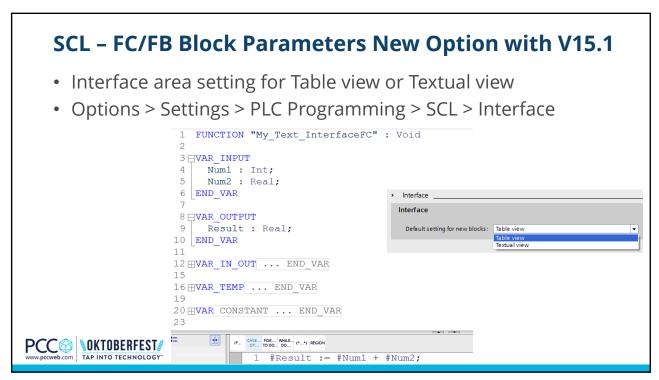
- Math
- String Operations
- Array Operations
- Communication
- Program Flow

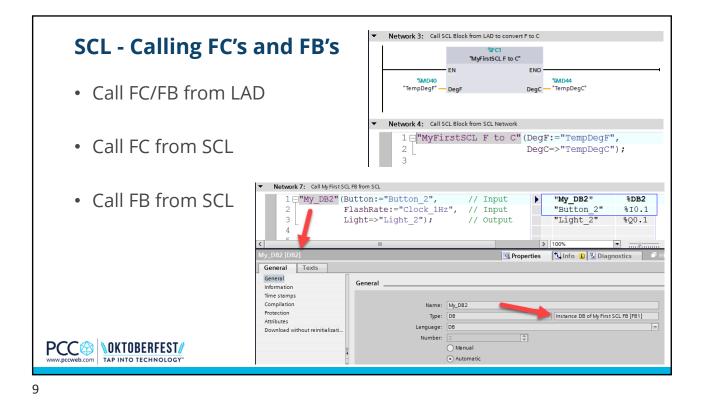


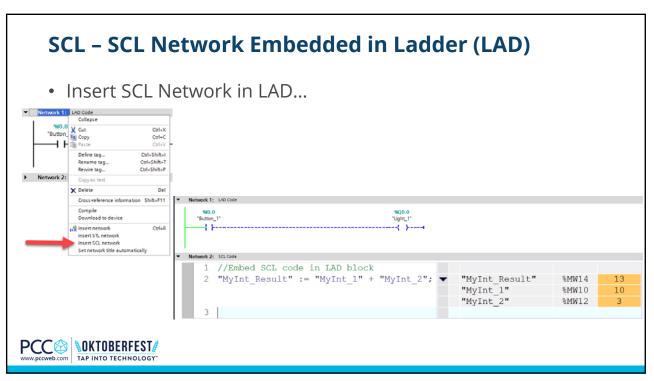


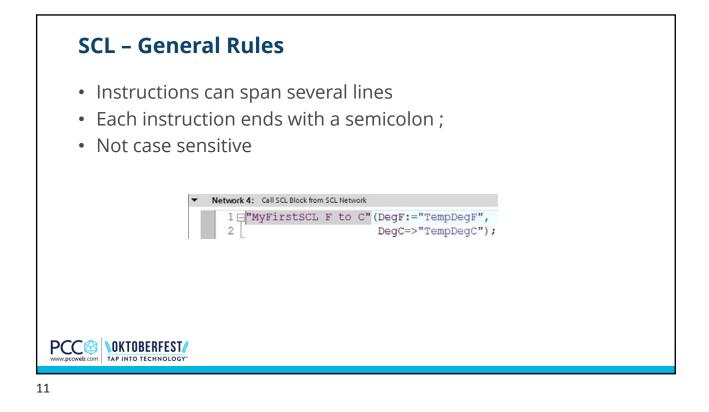


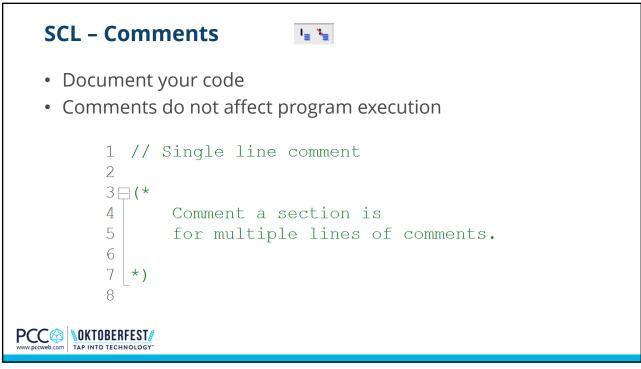


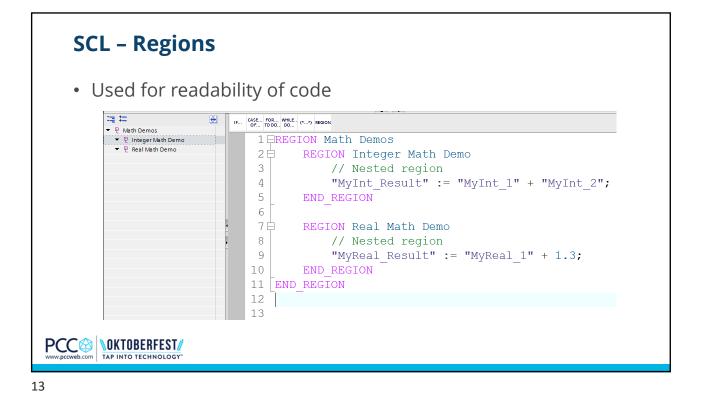


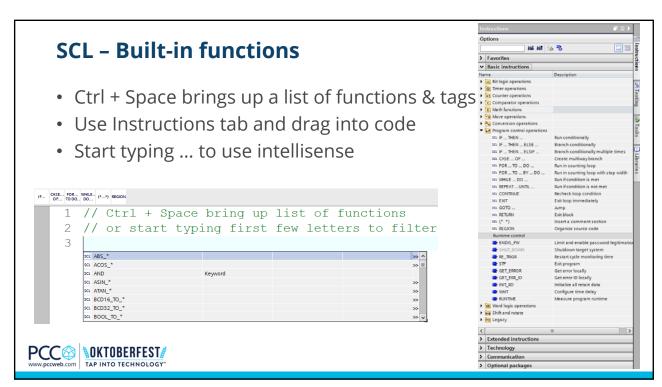


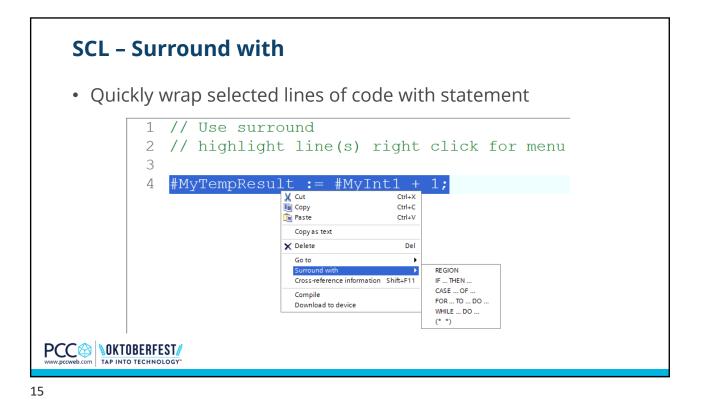


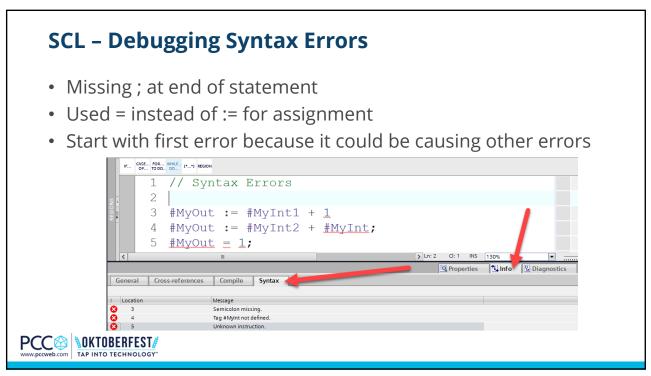


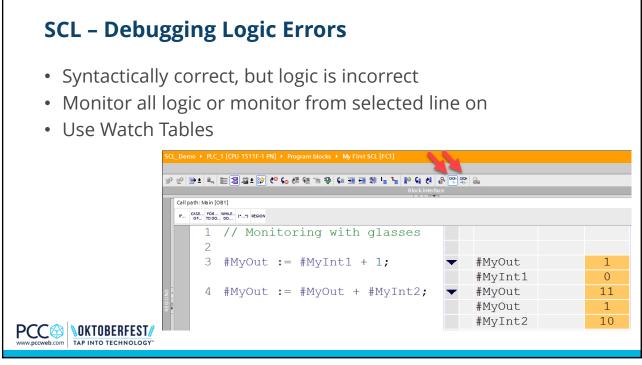




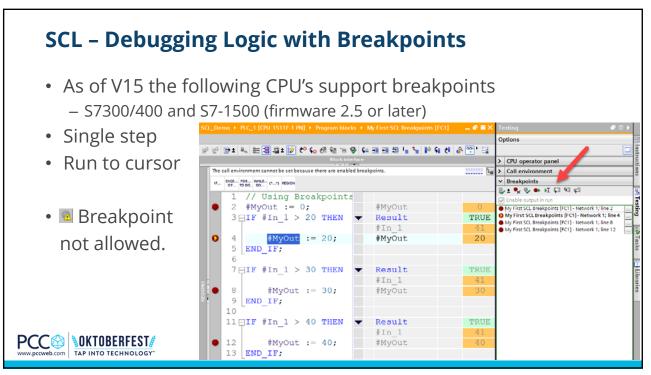


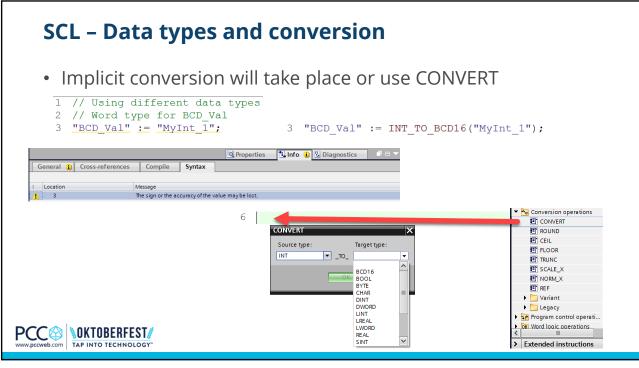


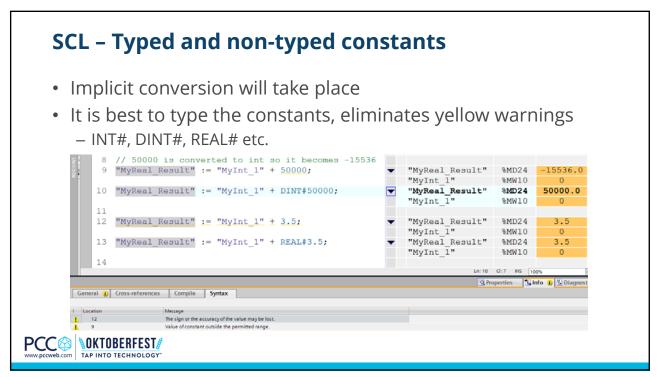


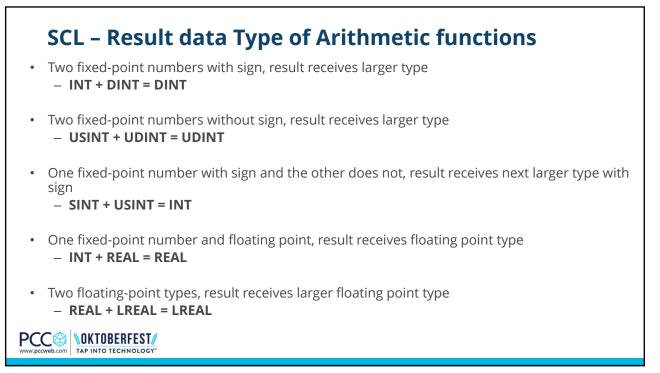


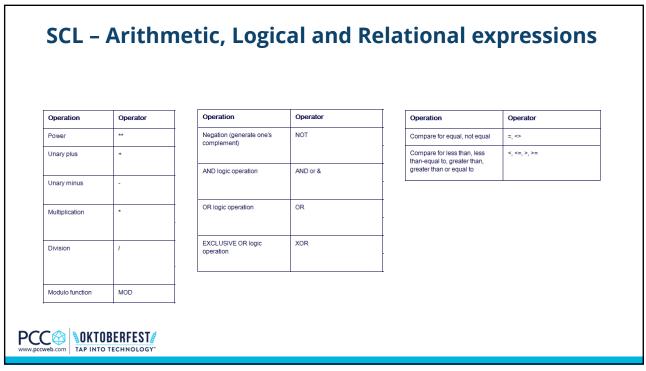


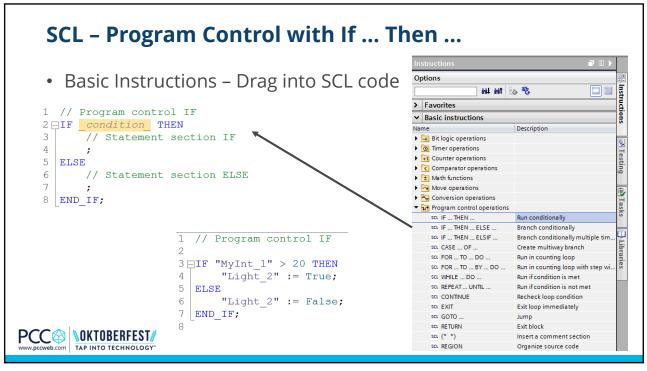


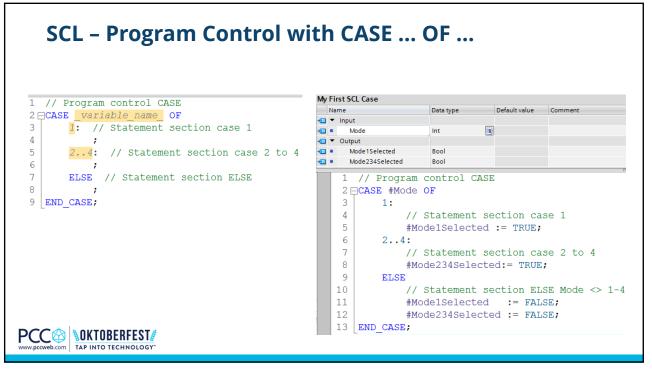


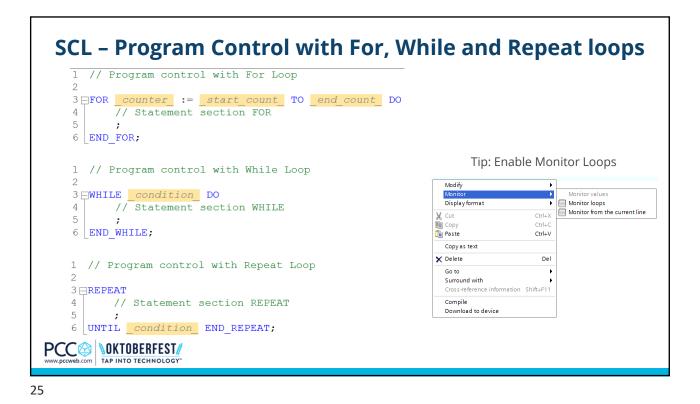


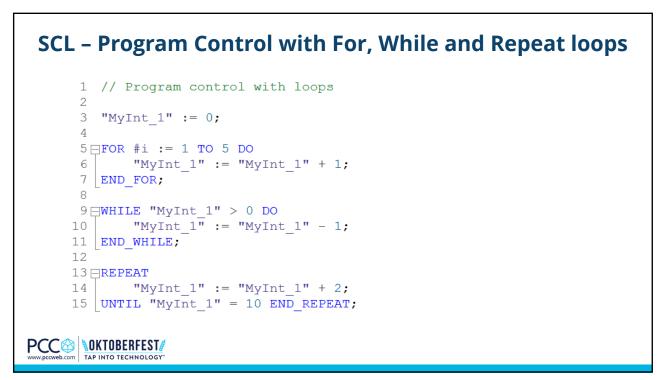


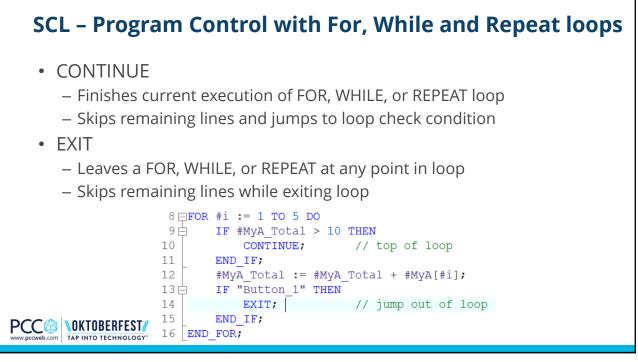




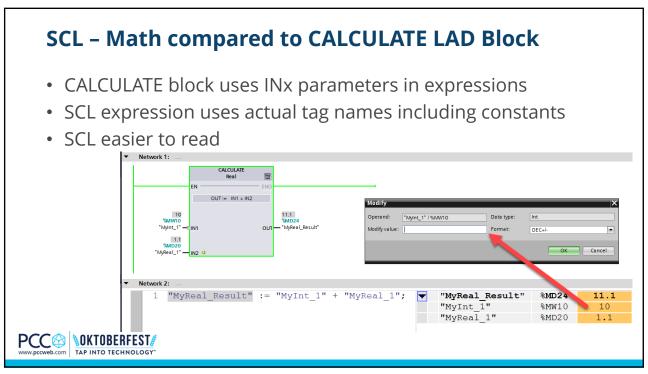


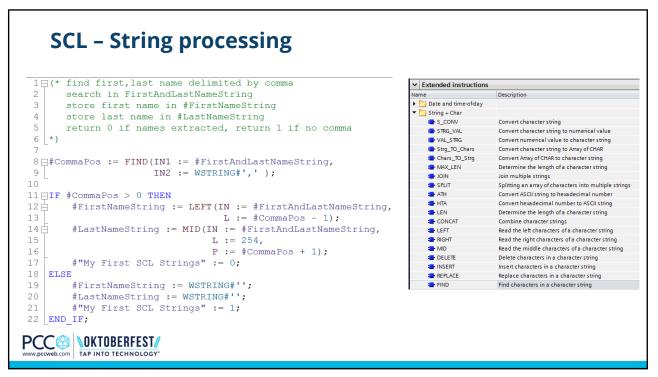


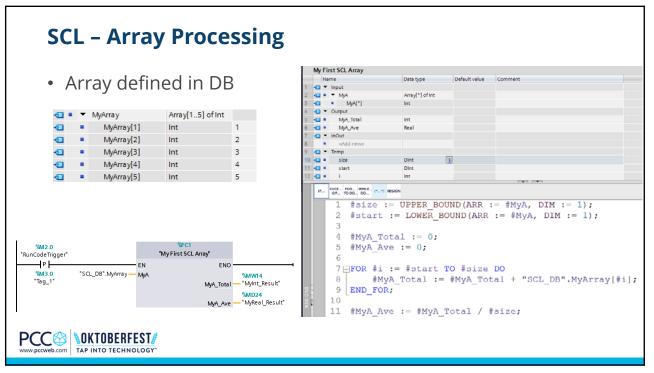


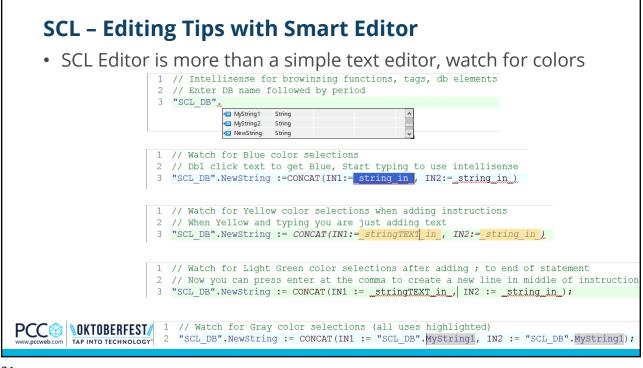












Live Demos

- Embed SCL in LAD Block
- Create SCL Block
- Array Processing
- Breakpoints



