**CVT Basic Writer VI**

1. Open <Exercises>\Advanced Architectures in LabVIEW\Demonstrations\CVT \ CVT Basic Writer Demo.vi
2. Point out that the CVT Init subVI allows you to programmatically create variables with the Tag List input. You cannot programmatically create variables using shared variables.
3. Point out that the CVT Basic Writer VI can access each variable by programmatically constructing the variable name.

**CVT Basic Reader VI**

1. Open <Exercises>\ Advanced Architectures in LabVIEW \Demonstrations\CVT \ CVT Basic Reader Demo.vi
2. View the block diagram of this VI.
3. Notice that this VI is able to use minimal code to read values of a group of variables (Var0, Var1, and Var2) by using a loop and programmatically constructing the strings that represent the variable name.
4. **Note:** Discuss the fact that you can also programmatically group variable names together in an array of strings (instead of using the <variable name><unique number> convention used in this example). You could then wire that array to the auto-indexed input tunnel on a For Loop to easily perform identical logic on that group of variables.

**Demo**

1. Run the CVT Basic Writer Demo VI.
2. Run the CVT Basic Reader Demo VI
3. View the CVT Basic Writer VI and CVT Basic Reader VI front panels at the same time.