

PLC130 LAB 1.4: USER-DEFINED DATA TYPES

Student Name: _____

Student ID: _____

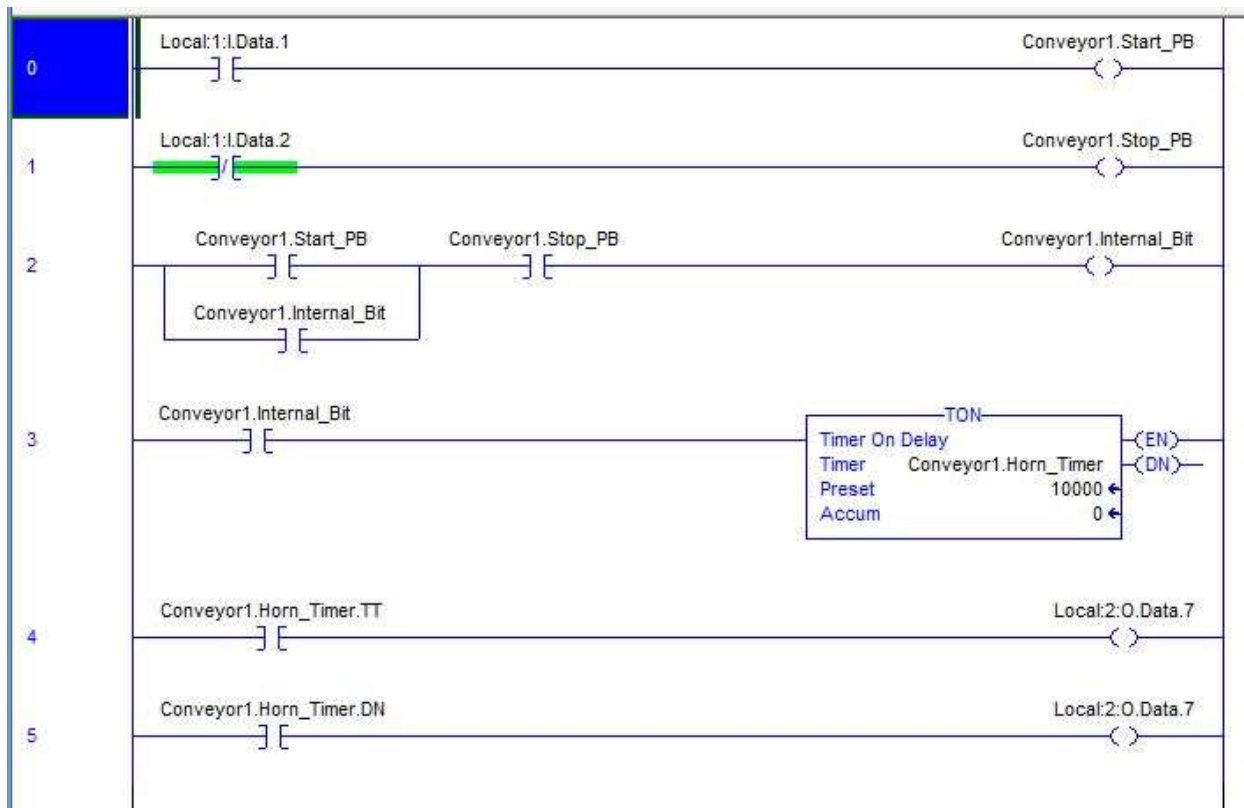
LAB OUTCOMES:

1. Explain the function and purpose of a User-Defined Tag
2. Explain how to determine if there are User-Defined Tags in a project
3. Interpret the layout of the User-Defined Tags in the tag view display
4. Demonstrate how to change the values in a User-Defined Tag

LAB PROCESS:

Download the project "Compact_Module_4_User_Data_Structure1.ACD file, go online and put the CompactLogix into RUN mode.

Part 1



1. Press PB1 on the demo unit

What output comes on?

Wait 10 seconds, what happens to the outputs? Explain.

2. View User-Defined data from the Controller Organizer window

Data Types > User-Defined > Start_Stop

List the Members that make-up the User-Defined Tag "Start_Stop"

Name	Data Type	Style

3. Open the Controller Tags screen
What is the Data Type for the Conveyor1 tag?

Expand the tag Conveyor1

What is the tag structure for the Conveyor1 tag?

Name	Data Type	Style

4. Compare the Conveyor1 tags to the Start_Stop User-Defined tag members

The outcomes of this exercise (listed on page 1) specifies the skills that the Student must demonstrate to the Instructor. Once the Instructor is satisfied with the demonstration of Knowledge & Skills by the individual student, they will sign this document (for the student), then enter a 100% into the Hands-On Lab grade in Sakai.

I verify that this student has completed all of the requirements of this Hands-On Assessment:

Student Name: _____

Faculty Signature: _____ Date: _____

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