

PLC 210 Hands-On Assessments: Module 7

Student Name: _____ N# _____ Date: _____

This hands-on assessment requires that each student successfully demonstrates each of these tasks to the instructor's satisfaction. There is no grade for this assessment.

Prior to taking this assessment, the student must pass (minimum of 80%) the Knowledge and Application Assessment.

The student cannot proceed to the HOA for the next module without completing this HOA

Note: Be specific in answering questions on the types of Documentation.

Be specific in answering questions on Property information of Routines, Programs, etc..

Be specific in answering questions on processor Searching of Routines

Download the project file HOA_Module_7.ACD to the CompactLogix demo.

Ensure all demo inputs are OFF / False – Selector Switches turned to left.

Place processor in RUN mode

- _____ 1. Navigate to / Open the MainRoutine in the MainProgram
List four (4) types of descriptions / documentation show on the Ladder window.

- _____ 2. Modify the Rung Comment on Rung 0 to include today's date.
Do a search in All Routines for the tag Local:1:I.Data.3
How many times is the tag Local:1:I.Data.3 used in the Project? _____
List the Rung Number and the Routine location of the tag Local:1:I.Data.3

Modify the Tag Description for the tag Local:1:I.Data.3 to read - Input 3 PB..

In how many locations did the description get changed? _____

- _____ 3. Add a Rung Comment to Rung 3 to read – Done Bit for Timer1
Do a search in All Routines for the tag Local:1:I.Data.4
How many times is the tag Local:1:I.Data.4 used in the Project? _____
List the Rung Number and the Routine location of the tag Local:1:I.Data.4

Add a Tag Description for the tag Local:1:I.Data.4 to read - Input 4 SS..

- _____ 4. Use Search -> Find menu and search for the tag Hi_Low_Speed_SSW
How many times is the tag Hi_Low_Speed_SSW used in the Project File? _____
What type of tag is Hi_Low_Speed_SSW? _____
What is the base (Alias For) tag for Hi_Low_Speed_SSW? _____
How many times is the base tag used in the Project File? _____

List the Rung Number and the Routine location of the base tag for
Hi_Low_Speed_SSW

What is the description for the tag Hi_Low_Speed_SSW?

- _____ 5. What is the Description for the processor? _____

What is the Description for the MainRoutine? _____

What is the Description for the Input Module? _____

What is the Description for the Output Module? _____

- _____ 6. Turn-Off the Rung Comments and Tag Descriptions on the Ladder window

_____ 7. Turn-On the Rung Comments and Tag Descriptions on the Ladder window

_____ 8. Use the Quick / Generic Search box and Search for all the normally-closed contacts in the Project file.

How many normally-closed contacts are used in Project file? _____

List the Rung numbers and tags that are assigned to the normally-closed contacts:

_____ 9. Do a search in All Routines for the tag Local:1:I.Data.3

How many times is the tag Local:1:I.Data.3 used in the Project? _____

What is the description for tag Local:1:I.Data.3? _____

List the Rung Number and the Routine location of the tag Local:1:I.Data.3

Do a search in All Routines for the tag Local:1:I.Data.2

How many times is the tag Local:1:I.Data.2 used in the Project? _____

List the Rung Number and the Routine location of the tag Local:1:I.Data.2

Do a Search -> Replace in All Routines for the tag Local:1:I.Data.3
and replace it with Local:1:I.Data.2

Can Search and Replace be done on-line? _____

List the Rung Number and the Routine location of the tag Local:1:I.Data.2

What is the description for tag Local:1:I.Data.3? _____

Where did the description information for tag Local:1:I.Data.3 come from?

Explain: _____

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