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: __________________________________________________
_________________________________________________________
_________________________________________________________
_________________________________________________________
_________________________________________________________

**DOL DISCLAIMER:**

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