

PLC 210 Hands-On Assessments: Module 5

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 Tasks and Programs.

Be specific in answering questions on Property information of Tasks and Programs.

Be specific in answering questions on processor execution of Tasks and Programs

Download the project file HOA_Module_5.ACD to the CompactLogix demo.

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

Place processor in RUN mode

- _____ 1. How many Tasks are included in the Project File? _____
List the Task's Name: _____
Which types of Tasks are included in the Project File:

List the Tasks as to Priority configuration:
Highest Priority Task: _____

Lowest Priority Task: _____
When the processor is put in RUN Mode, which Task starts running first: _____
- _____ 2. Navigate to the B2_Routine1
The B2_Routine1 is included in which Task? _____
What is the Task Type? _____
The B2_Routine1 included in which Program? _____

Is the processor scanning this routine? _____

Explain: _____

What is the Scope of the Time1 tag? _____

Is the tag Time1 a Controller Tag or Program Tag? _____

What is the Scope of the Local:2:I.Data.1 tag? _____

Is the tag Local:2:I.Data.1 a Controller Tag or Program Tag? _____

_____ 3. Navigate to the A1_R1 routine

The A1_R1 routine is included in which Task? _____

What is the Task Type? _____

The A1_R1 routine included in which Program? _____

Is the processor scanning this routine? _____

How often is the processor scanning to the A1_R1 routine? _____

Explain: _____

What is the Scope of the Tag1 tag? _____

Is the tag Tag1 a Controller Tag or Program Tag? _____

What is the Scope of the Tag2 tag? _____

Is the tag Tag2 a Controller Tag or Program Tag? _____

Modify the Task's Properties so the A1_R1 routine is scanned every 10 seconds.

_____ 4. Navigate to the D4_R1 routine

The D4_R1 routine is included in which Task? _____

What is the Task Type? _____

The D4_R1 routine included in which Program? _____

Is the processor scanning this routine? _____

Hint: Toggle int1 tag True - ON

When will the processor scan to the D4_R1 routine? _____

Explain: _____

What is the Scope of the Timer1 tag? _____

Is the tag Timer1 a Controller Tag or Program Tag? _____

What is the Scope of the int1 tag? _____

Is the tag int1 a Controller Tag or Program Tag? _____

_____ 5. Navigate to the B2_R1 routine

Toggle SS4 ON – turn to right

Return to the D4_R1 routine

Is the processor scanning this routine? _____

Hint: Toggle int1 tag True - ON

When will the processor scan to the D4_R1 routine? _____

Explain: _____

Return to the B2_Routine1 routine.

Is the processor scanning this routine? _____

Explain: _____

_____ 6. How many Programs are included in the B2 Task? _____

What are the Program's Names?

In which order are the Programs being executed (run) by the processor?

First: _____

Second: _____

Third: _____

Where can the Program's order of execution be modified?

Explain: _____

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