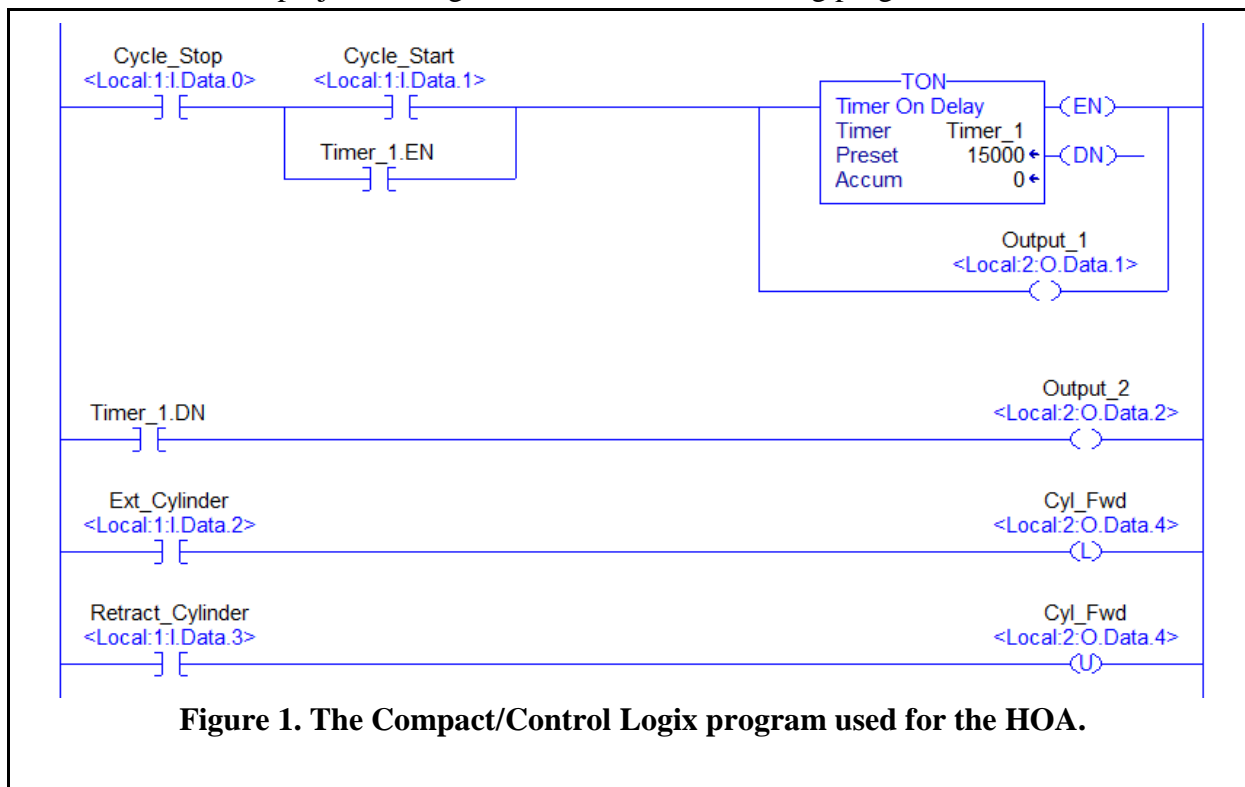Student Name: _____   Date: _____

This hands-on assessment requires that each student successfully demonstrates each of these tasks to the instructor's satisfaction.

Check	#	Skills Task
_____	1.	Identify all hardware on the AB CompactLogix hardware simulator.
_____	2.	Identify and explain all communication ports on the Compact/Control Logix processor.
_____	3.	Configure an RS-232 driver in RSLinx and explain the info in RSWho
_____	4.	Create a new project in Logix Designer, by configuring the I/O, and creating the alias tags in the Controller Tags settings.
_____	5.	Create a 4 rung program in a new project with the relay and timer instructions.
_____	6.	Download the project into the CompactLogix controller.
_____	7.	Explain to the instructor how the program operates.
_____	8.	Create an Ethernet driver in RSLinx, and go online to the Compact/Control Logix processor with the program panel.
_____	9.	Create an EtherNet/IP driver in RSLinx, and go online to the Compact/Control Logix processor with the program panel.
_____	10.	Explain what each processor diagnostic indicator light means under different conditions. This may also be questions asked by the Instructor on each indicator. The student should review this information before the HOA. This can be found on pages 192-198 of the ControlLogix Systems Users Manual, found at: https://literature.rockwellautomation.com/idc/groups/literature/documents/um/1756-um001_-en-p.pdf

Student Procedure:

1.   Create a new project, configure I/O, create the following program.

Figure 1. The Compact/Control Logix program used for the HOA.

2.   Load the project into the processor, then go online. Make sure you understand how the program works and how to access the data.

3.   Have the instructor come over and answer their questions on the project.

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