PLC210 Lab 7: Sequencer Output Instruction

Download the project Compact_Module_4_Ex2_Seq.ACD, go Online and put the CompactLogix into the Run mode to do the following lab.

The I/O tag names in this lab may need to be changed to match the addresses on your hardware trainer.

1. What Data Type is the Seq_Control tag?____________________
   List the tag Name and Data Types that are included in the Seq_Control tag

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
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Table 1-A
2. How many tags comprise the array Seq_data? ______________.
   What are the index number values? ________________
   What is the data type for the Seq_data array? _______________

3. What value is the Seq_Mask tag?_______________________
   What is the binary Style for the Seq_Mask tag?_______________
   Hint: Monitor the Seq_Mask tag.
   Left click the Style cell for the Seq_Mask tag
   Click the drop-down arrow and choose Binary

   ![Figure 2-A. Changing the data style.](image)
4. Press PB1 on the demo unit.
   Which outputs turn on?

   Explain:

   Hint: Compare position value Seq_data array index number
   Change the values in the Seq_data array to Binary Style

4. Keep pressing PB1 on demo unit and view array data and position value to
determine seq_data tag value.
How many positions are programed in the sequencer?_______

5. Once the sequence is done, what is the next position value when PB1
   is pressed? ___________________

6. What causes the demo pilot lights to turn On and Off?
   Explain:
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