A. Requirement
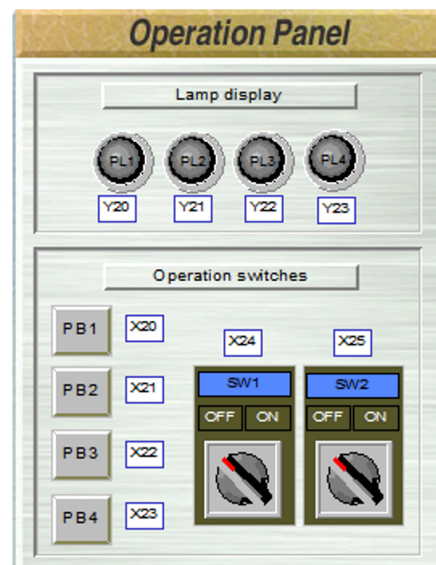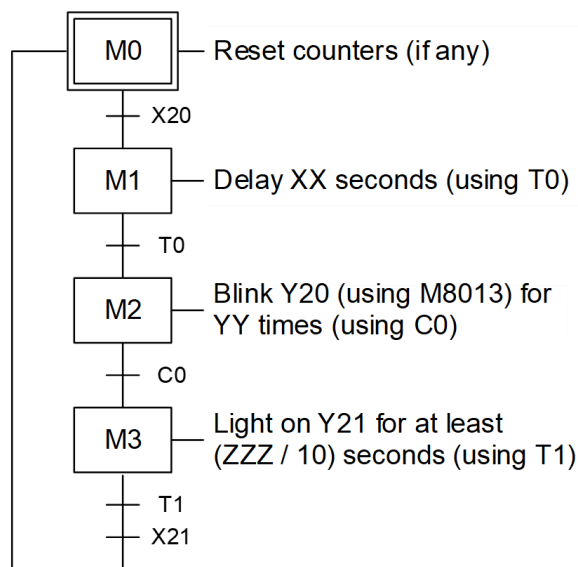
Your student ID is always formatted in a form: XXYYZZZ. For example, if your student ID is 2930276, then:

$$XX = 29 \qquad YY = 30 \qquad ZZZ = 276$$

Using the Operation Panel of problem C-1 in the PLC simulation training program SW0D5C-FXTRN-BEG, write a PLC program using relay technique as reviewed in chapter 1 for the following flow chart:

Report contents include:

- A control circuit diagram.
- A power circuit diagram.
- A Youtube link in which a video clip demonstrating diagrams above and the process simulation in SW0D5C-FXTRN-BEG.

The report uploaded to BKEL has to be formatted in A4 pages as follows:

- File name: 'IHW_2_XXXXXXX.pdf' with XXXXXXX is your student ID.
- Font style: Times New Roman
- Font size: 12pt
- Margin: Left: 3cm,   Right: 2cm,   Top: 3cm,   Bottom: 3cm