**PROCESS INSTRUMENTATION**

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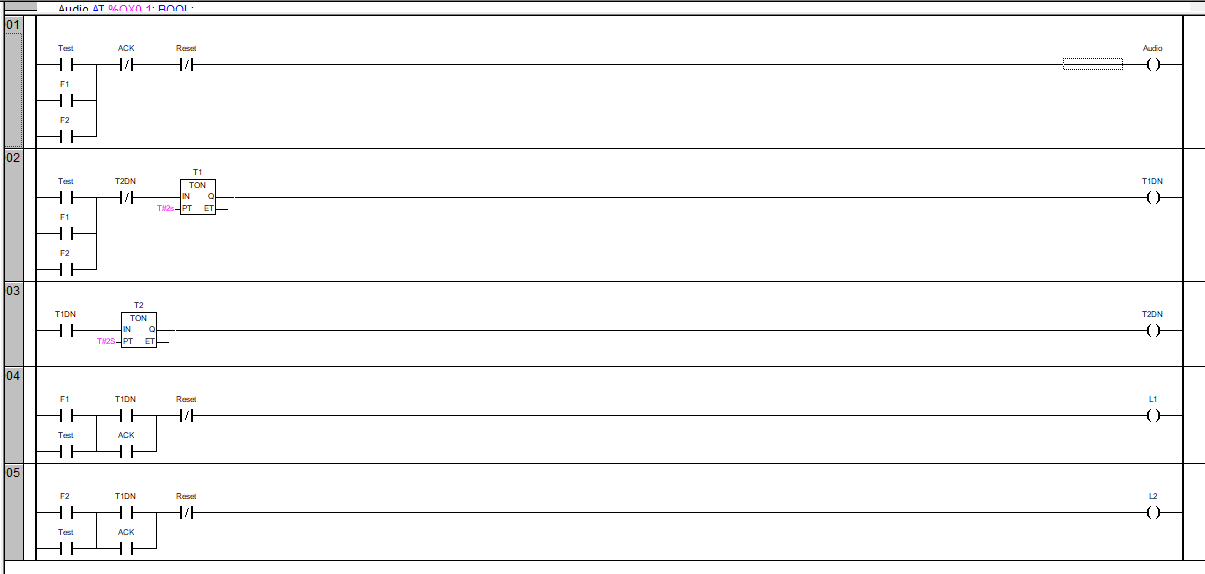
**Roll No.: 24 (Batch B1)**

**LAB 4:**

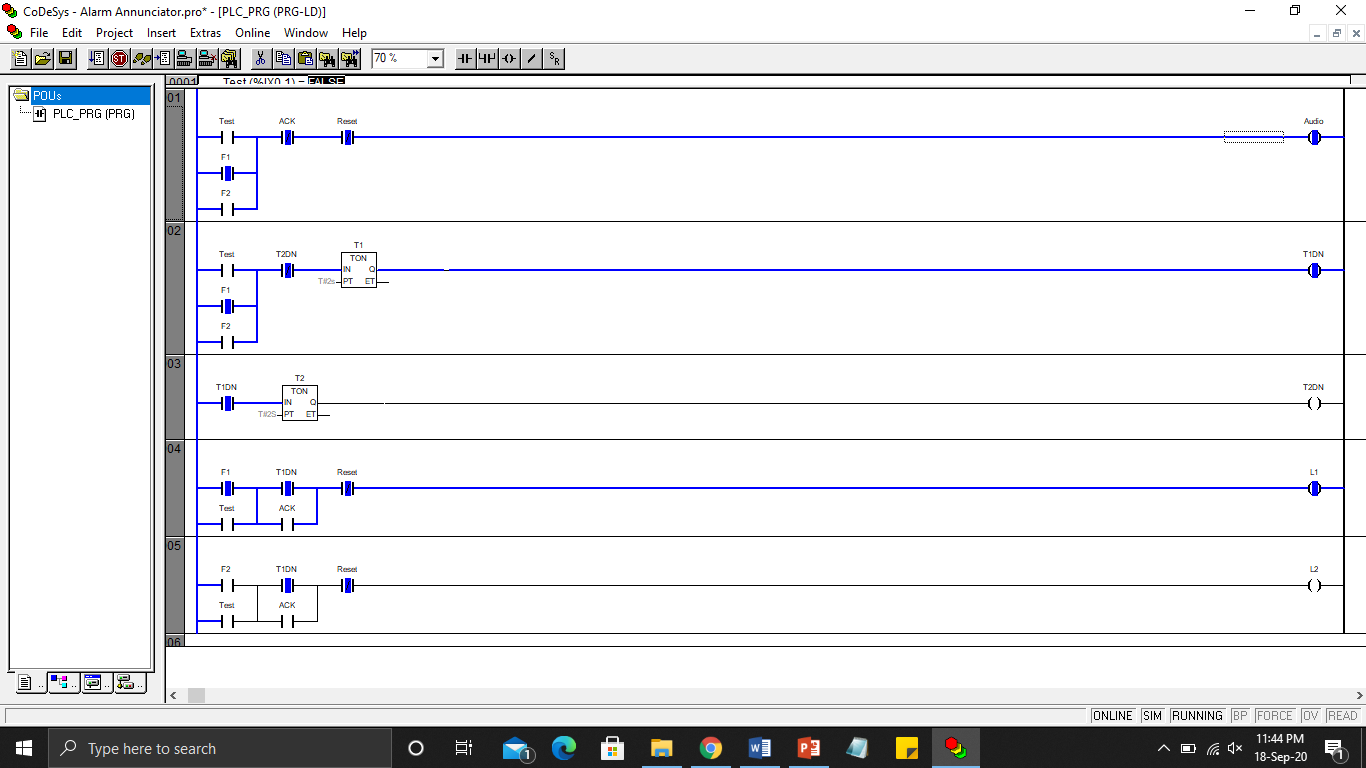
**Aim - Study the working modes of Alarm Annunciator and design and implement the alarm annunciator logic.**

Alarm Annunciator – Manual Reset 1 mode logic implementation in Codesys software:

Ladder Diagram:



While Running:

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**Conclusion:** Studied the working of different modes of an alarm annunciator. Implemented the logic of manual reset-1 mode of alarm annunciator in codesys software. When a fault occurs audio becomes on and flashing of light starts for that particular fault LED with the frequency of 2 seconds. Audio becomes off after acknowledgement from the operator and everything is reset when the operator presses the reset pushbutton.