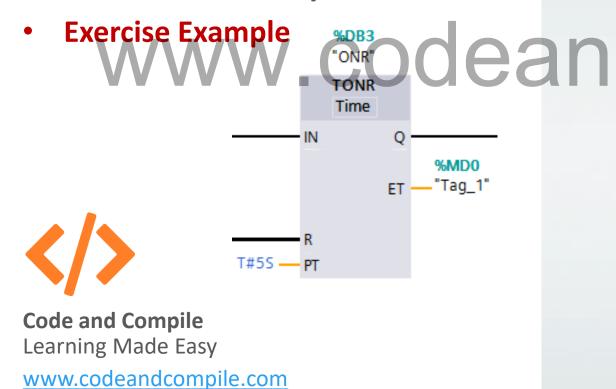
Siemens S7-1200

CPU 1212C AC/DC/Relay

Timer Operations (TONR)

Retentive ON Delay

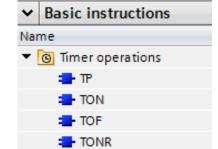


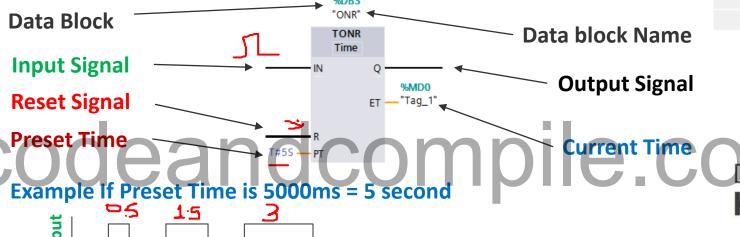




Retentive **ON Delay**

The TONR timer sets the output (Q) to ON after a preset time delay. The elapsed time is accumulated over multiple timing periods until the reset (R) input reset the elapsed time.





Output **ON Delay** Reset

Changing PT has **no effect** while the timer runs, but has an effect when the timer resumes.

Changing IN to FALSE, while the timer runs, stops the timer but does not reset the timer. Changing IN back to TRUE will cause the timer to start timing from the accumulated time value.

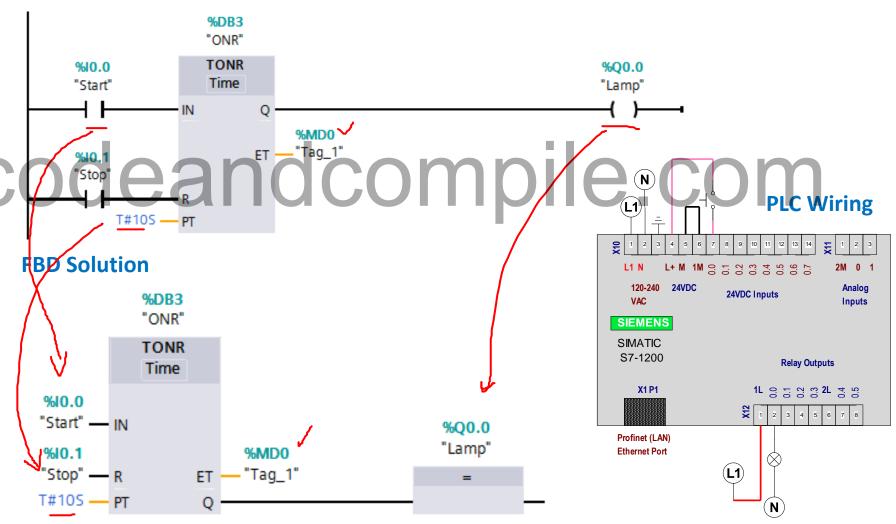
SERVING

Exercise Example



Write a Logic to energize an output Q0.0 with retentive timer considering PT to be 10 seconds.

Ladder Solution



What did we learn in this lesson?

- TONR is used to generate Retentive ON delay application.
- To reset the timer we need to give signal (0 1) to the Reset input of the timer

Thank youe and Get copy of this presentation in the course!



