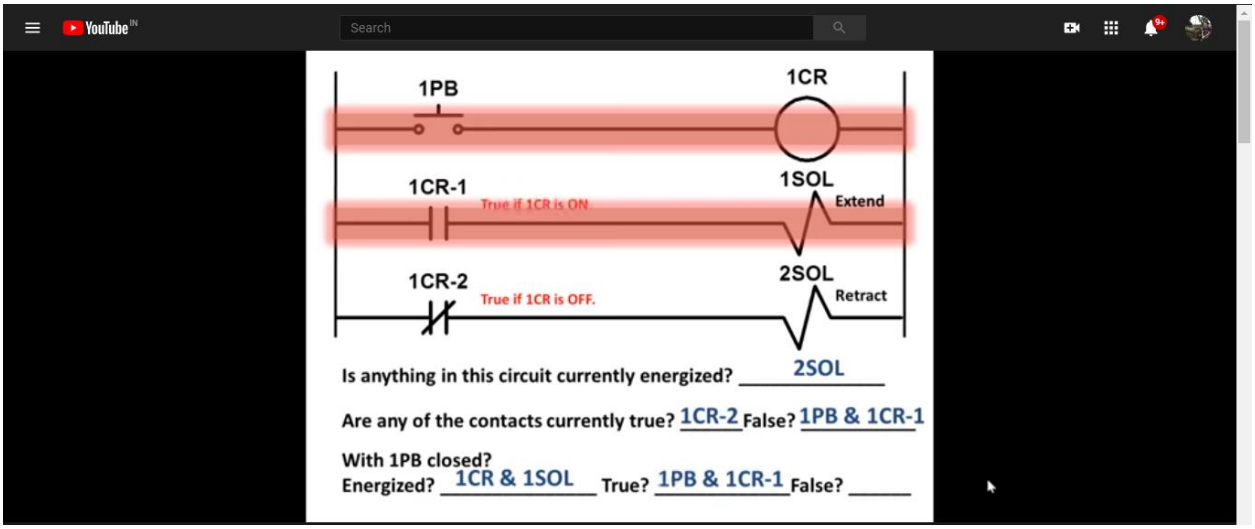
DAILY ASSESSMENT

Date:	30-May-2020	Name:	Swastik R Gowda
Course:	LOGIC DESIGN	USN:	4AL17EC091
Topic:	❖ Applications of Programmable logic controllers	Semester & Section:	6th Sem 'B' Sec
Github Repository:	swastik-gowda		

FORENOON SESSION DETAILS

Image of session



Report – Report can be typed or hand written for up to two pages.

High-Performance Controllers in a Compact, Secure Package Today's industrial applications require faster performance and more reliable connections. Emerson's Programmable Automation Controllers feature an extensive range to support scalable automation and minimize downtime. Redundant by design, these compact controllers use PROFINET for better performance and productivity, and are interoperable with most open industry standards. Rugged, fan less design means more durability and better performance in any environment. In the most basic terms, a programmable logic controller (PLC) is a computer with a microprocessor but has no keyboard, mouse or monitor. It is essentially built to withstand very harsh industrial environments.

It is a distinctive form of computer device designed for use in industrial control systems. It has a robust construction and unique functional features such as sequential control, ease of programming, timers and counters, easy-to-use hardware and reliable controlling capabilities. It is designed to be enormously robust, so it could withstand harsh industrial environments such as extreme temperatures, vigorous vibrations, humidity and electrical noise. The logic controllers are often tasked to control and monitor a very large number of sensors and actuators. They are therefore different from other regular computer systems in their extensive I/O (input/output) arrangements. In addition to being used as a special-purpose digital computer, the PLC can be used in other control-system areas and industries. This explains why PLCs are often referred to as industrial PCs. The PLC is also commonly used in civil applications such as in washing machines and for controlling traffic signals and elevators. They are used in many industries to monitor and control production processes and building systems. Once programmed, the PLC will perform a sequence of events triggered by stimuli referred to as inputs. It receives these stimuli through delayed actions such as counted occurrences or time delays.

Date:	30-May-2020	Name:	Swastik R Gowda
Course:	PYTHON	USN:	4AL17EC091
Topic:	❖ Fixing Programming Errors ❖ Application 3: Build a Website Blocker	Semester & Section:	6th Sem 'B' Sec

AFTERNOON SESSION DETAILS

Image of session