

DAILY ASSESSMENT FORMAT

Date:	29-05-2020	Name:	Neha T
Course:	Logic design	USN:	4AL18EC035
Topic:	Application of Programmable logic controllers	Semester & Section:	4th sem A sec
Github Repository:	Neha-T		

FORENOON SESSION DETAILS

Image of session

What is a PLC? PLC Basics Pt1
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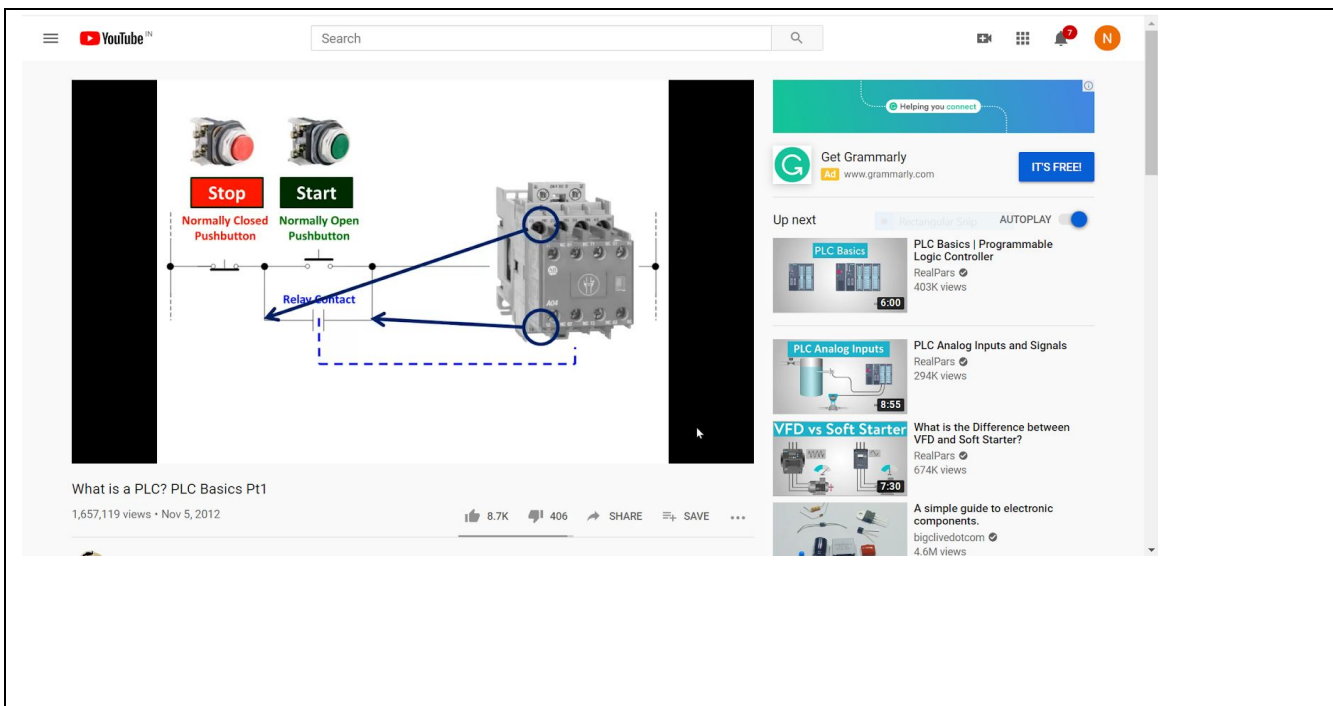
It is time for a small transition in how the contacts are designed.

Rotates a common contact between the normally closed and the normally open.

Pulls a shorting bar between the normally closed and the normally open contacts.

What is a PLC? PLC Basics Pt1
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➤ Application of Programmable logic controllers

- Introduction -
 - ★ Programmable logic controllers are the major components in industrial control systems.
 - ★ They replaced something called electromagnetic relays
- Relays to bits (in memory)
- Illustration of an electronic circuit
 - ★ Relationships of power source, switches, the coil, contacts and the loads
 - ★ What happens when switch is closed
 - ★ What happens when switch is open
- Illustration of a Relay
 - ★ If the normally closed contact is closed then yes the coil is de-energized
 - ★ If the normally open contact is closed then yes the coil is energized
- Double-Break Contacts
 - ★ This design provides better protection against contact welding than a single break design
 - ★ It offers great DC load breaking capability and better isolation
 - ★ Double break contacts reduce the probability of welded contacts by more than 50% compared to a single-break design

Date: 29-05-2020
Course: Python
Topic: Python for Image and Video
Processing with OpenCV

Name: Neha T
USN: 4AL18EC035
Semester 4th sem A sec
& Section:

AFTERNOON SESSION DETAILS

Image of session

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Course content

- 197. Introduction 2min
- 198. Installing the Library 1min
- 199. Loading, Displaying, Resizing, and Writing Images 14min [Resources](#)
- 200. Batch Image Resizing (Practice) 1min [Resources](#)
- 201. Solution 1min
- 202. Solution with Explanations 4min
- 203. Face Detection 20min [Resources](#)
- 204. Capturing Video 20min

Section 26: Application 6: Build a

About this course

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

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Section 26: Application 6: Build a Webcam Motion Detector

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➤ **Python for Image and Video Processing with OpenCV**

- **Introduction -**
 - ★ **OpenCV is used for all sorts of image and video analysis, like facial recognition and detection, license plate reading, photo editing, advanced robotic vision, optical character recognition, and a whole lot more**
 - ★ **OpenCV's Python bindings is actually much easier than many people make it out to be initially**
 - ★ **You will need two main libraries, with an optional third: python-OpenCV, Numpy, and Matplotlib**
- **Under this session**
 - ★ **Installing the library**
 - ★ **Loading, Displaying, Resizing and Writing Images**
 - ★ **Face detection**
 - ★ **Capturing video**

were discussed
- **Also practicing the Batch Image Resizing**