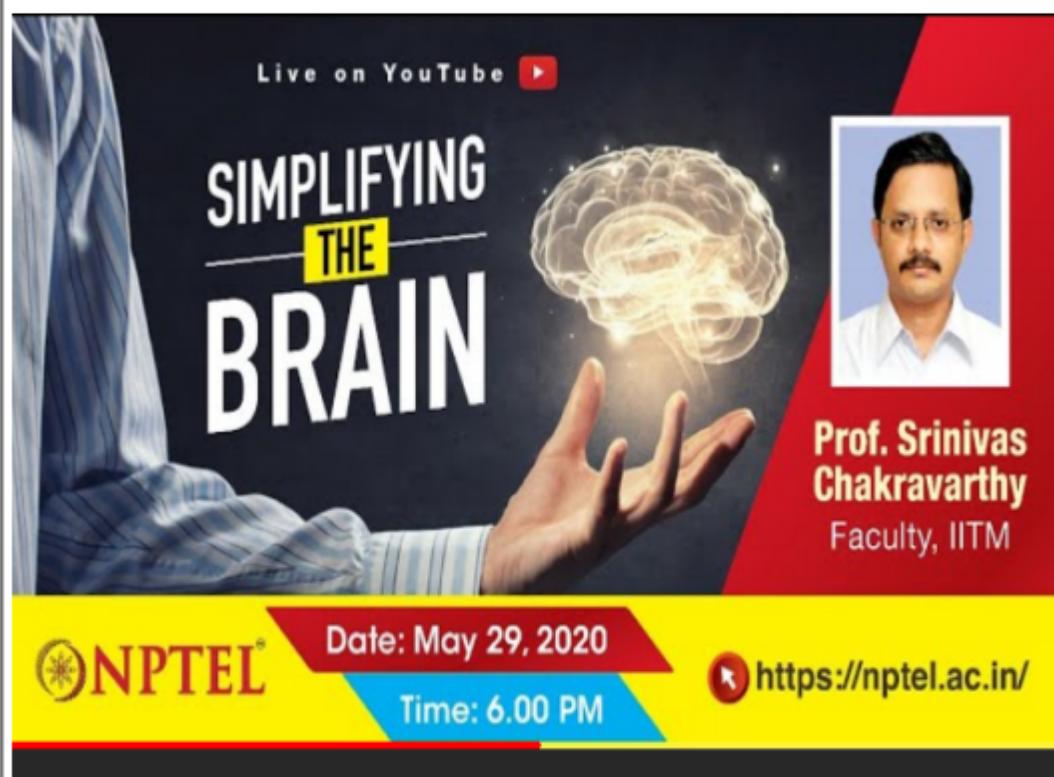


DAILY ASSESSMENT FORMAT

Date:	30/05/2020	Name:	Nichenametla Bhargavi
Course:	Live Youtube Session	USN:	4AL17EC061
Topic:	Simplifying the Brain	Semester & Section:	6th Sem A sec
Github Repository:	alvas-education-foundation/Bhargavi_Nichenametla		

Image of the session



Date:	30/05/2020	Name:	Nichenametla Bhargavi
Course:	Logic Design	USN:	4AL17EC061
Topic:	Applications of programmable logic controllers	Semester & Section:	6th Sem A sec
Github Repository:	alvas-education-foundation/Bhargavi_Nichenametla		

FORENOON SESSION DETAILS

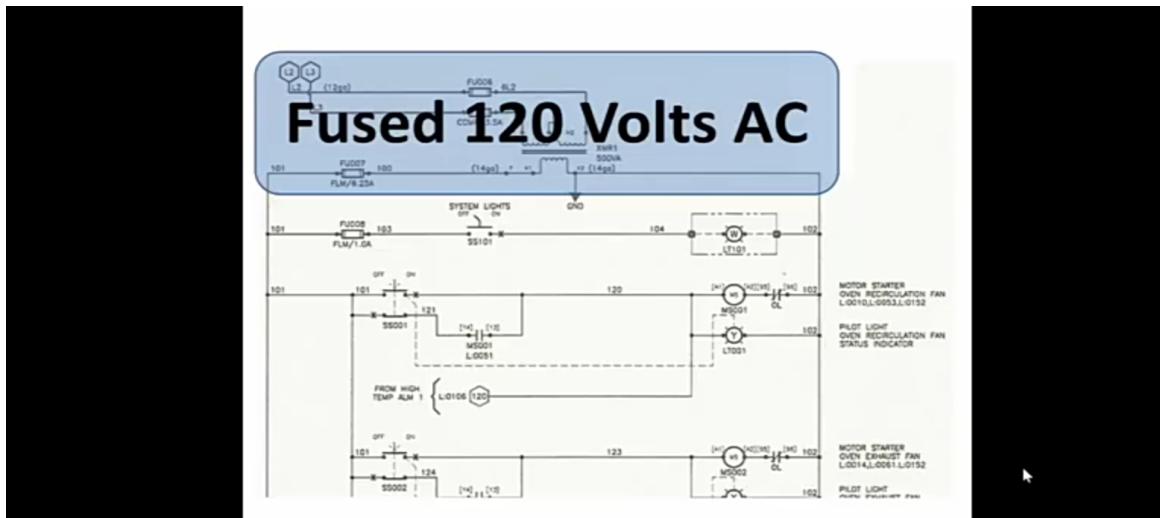
Image of session

The diagram shows a solenoid coil labeled "COIL". Above it are two contact symbols: "Normally Closed Contact" and "Normally Open Contact". Below the coil is a question: "The Coil is De-energized?". To the right of the coil is another question: "The Coil is Energized?". At the bottom is a simple electrical symbol for a coil.

Conditions - Permissives **Actions**

The ladder logic diagram illustrates the relationship between external inputs and actions. On the left, three conditions are shown: "1PP" (normally closed contact), "1CR-1" (normally closed contact), and "1CR-2" (normally closed contact). These are labeled "External". On the right, two actions are shown: "1CR" (normally open contact) and "2SOI" (normally closed contact). The "1CR" action is labeled "Extend" and the "2SOI" action is labeled "Retract". These are also labeled "External". Below the ladder logic, a legend identifies the symbols: "Conditions - Permissives" for the left side and "Actions" for the right side.

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



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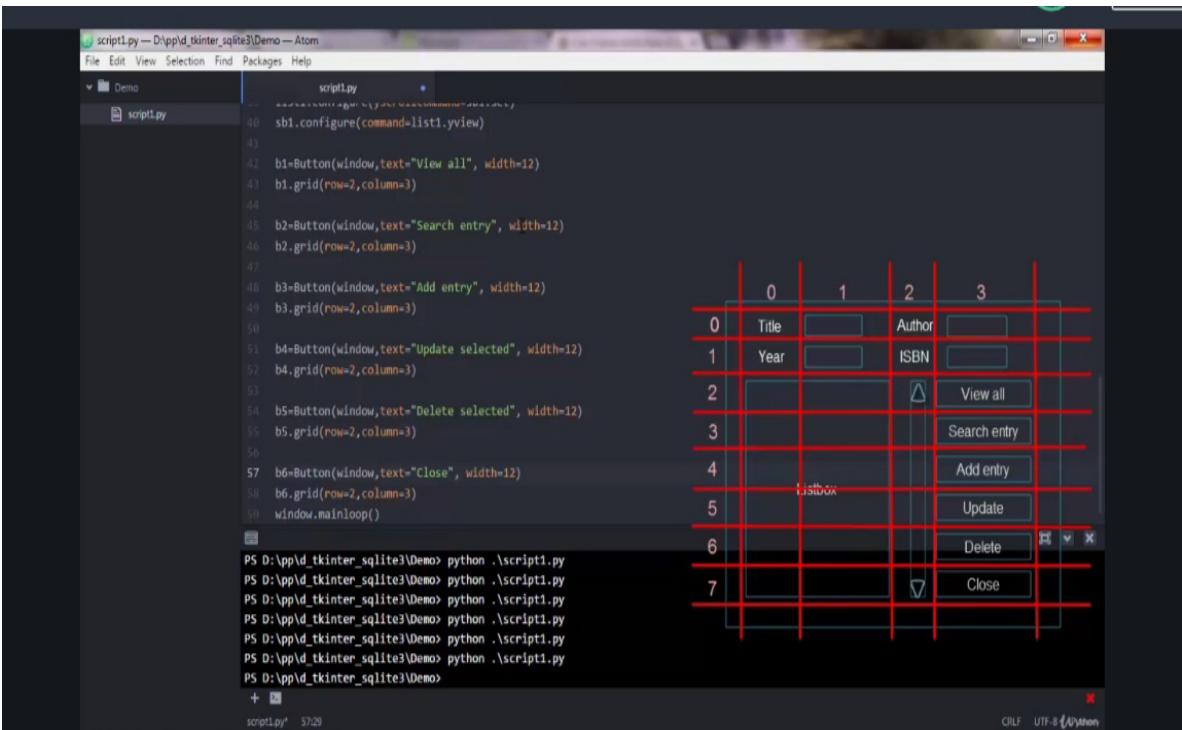
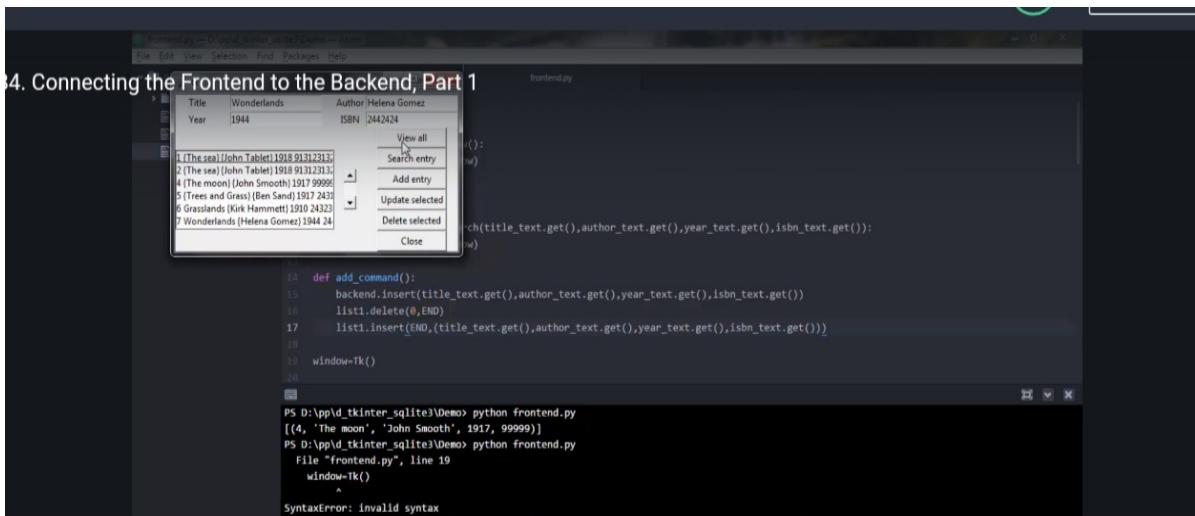
Applications of Programmable logic controller:

- programmable logic controller are the major component in industrial control systems they replaced something called Electromagnetic relays.
- The language used to program programmable controllers still uses symbology from evolution from these relays to using computers to control manufacturing systems so this section we are telling relays two bits basically making transition from using relays to using bits in memory.
- A brief history is needed to build a background for some of the terminology and symbols used in programming programmable logic controllers.
- Relay diagram into an actual appreciation an actual circuit we normally refer to that portion of the circuit which interacts with the operator as the public interface.
- There are three public interfaces to this circuit the single pole single throw switch which the operator controls and when they close the switch that energizes the relay when he opens if the relieved energizes then you have a red indicator and the battery powers the red LED when the relay is de-Energized and then of course you have a green indicator which will illuminate when relay is energized.

Date:	28/05/2020	Name:	Nichenametla Bhargavi
Course:	Python	USN:	4AL17EC061
Topic:	Application 4: Build a Personal Website with Python and Flask	Semester & Section:	6th Sem A sec

AFTERNOON SESSION DETAILS

Image of session



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

```
def get_selected_row(event):
    try:
        global selected_tuple
        index = list1.curselection()[0]
        Selected_tuple = list1.get(index)
        e1.delete(0, END)
        e1.insert(END, Selected_tuple[1])
        e2.delete(0, END)
        e2.insert(END, Selected_tuple[2])
        e3.delete(0, END)
        e3.insert(END, Selected_tuple[3])
        e4.delete(0, END)
        e4.insert(END, Selected_tuple[4])
    except IndexError:
        pass
```

The error was fixed by simply implementing a 'try' and 'except' block. When the get_selected_row function is called, Python will execute the indented block under try. If there is an IndexError, none of the lines under try will be executed; the line under except will be executed, which is 'pass'. The 'pass' statement means "do nothing". Therefore the function will do nothing when there is an empty list box.