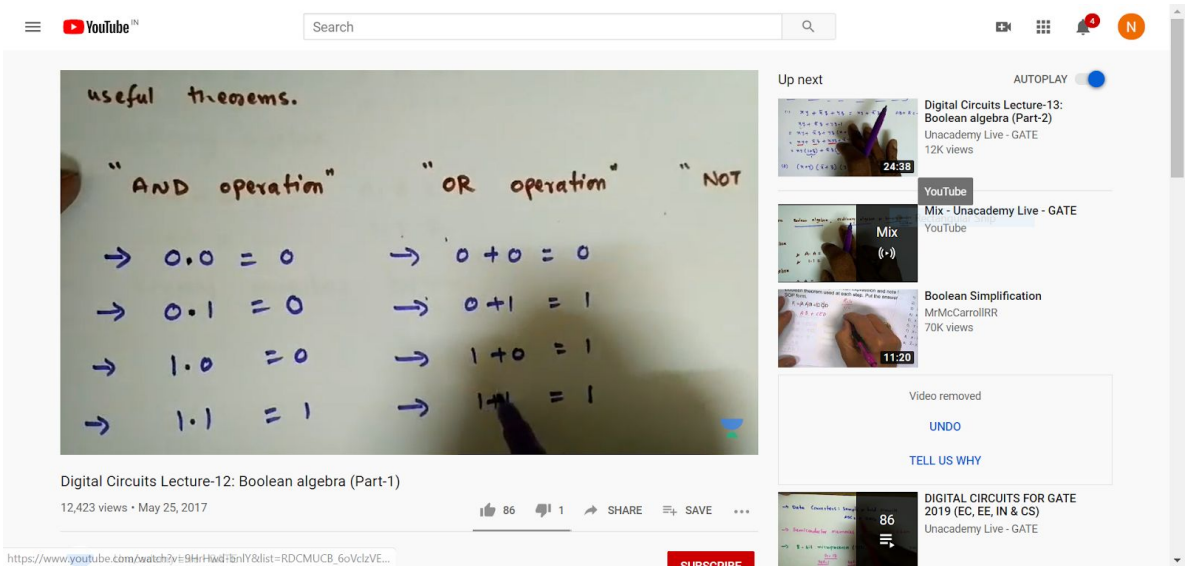
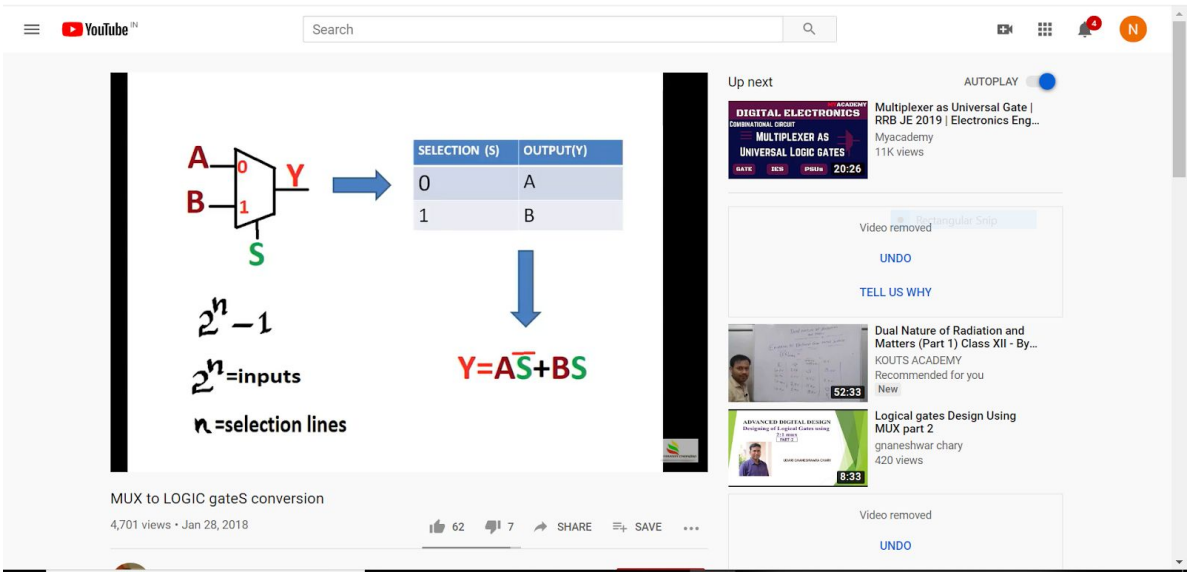
DAILY ASSESSMENT FORMAT

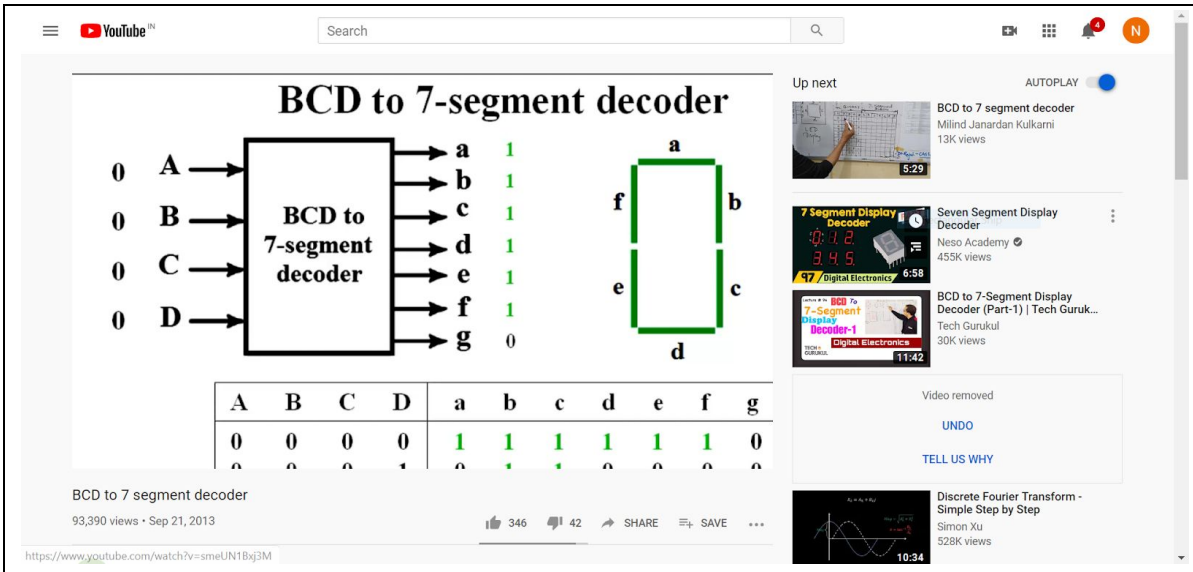
Date:	27-05-2020	Name:	Neha T
Course:	Logic Design	USN:	4AL18EC035
Topic:	1.Boolean equation and Conversion of Mux and decoder to logic gates 2.7 segment decoder	Semester & Section:	4TH sem A sec
Github Repository:	Neha-T		

FORENOON SESSION DETAILS

Image of session







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

- **Boolean equation for digital circuits. Combinational circuits : Conversion of MUX and Decoders to logic gates**
  - **Digital circuit will understand only 0s and 1s**
  - **When designing a Digital circuit , Designer will look for the cost of the circuit and simple realisation of a circuit**
  - **Boolean algebra is required for up mentioned point**
  - **Under this session**
    - ★ **Binary operator and Unary operator**
    - ★ **Axioms**
    - ★ **Laws of Boolean algebra -**
      - **Commutative law**
      - **Associative law**
      - **Distributive law**
    - ★ **AND, OR, NOT operation**
    - ★ **Difference between Boolean algebra, Ordinary algebra, Binary number system**
    - ★ **Identity elements -**
      - **The additive identity - OR operation**
      - **The multiplicative identity - AND operation**
    - ★ **Theorems of Boolean algebra**

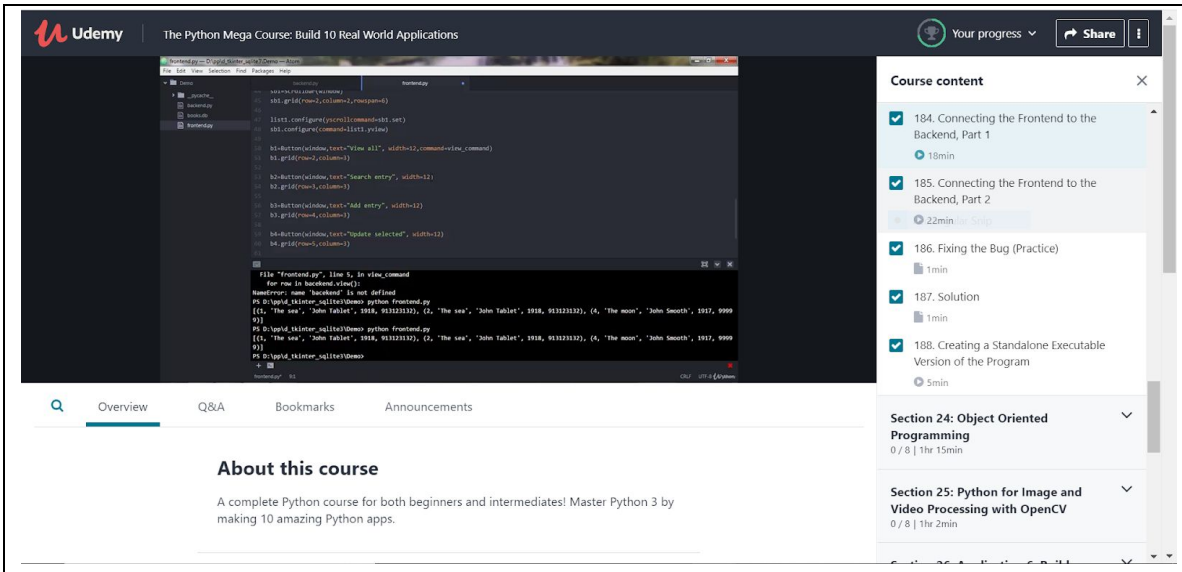
  were discussed
- **Mux and Decoders to logic Gates**
  - **MUX and Decoders are called “Universal Logics” which means it can create any logic gates**
  - **2:1 MUX was discussed under this topic which can be used to create different logic gates**
  - **Input line depends on the number of selection lines**

➢ **Design of 7 segment decoder with common anode display**

- **It has 4 input lines and 7 output lines**
- **Each of the output line is connected to one of the segment in the 7 segment display**
- **7 segments are light emitting diodes**
- **When the value of the output line is 1 the segment which is connected to that line will be switched ON**

Date:	**27-05-2020**	**Name:**	**Neha T**
Course:	**Python**	**USN:**	**4AL18EC035**
Topic:	**Build a Desktop Database Application**	**Semester & Section:**	**4th sem A sec**

AFTERNOON SESSION DETAILS
Image of session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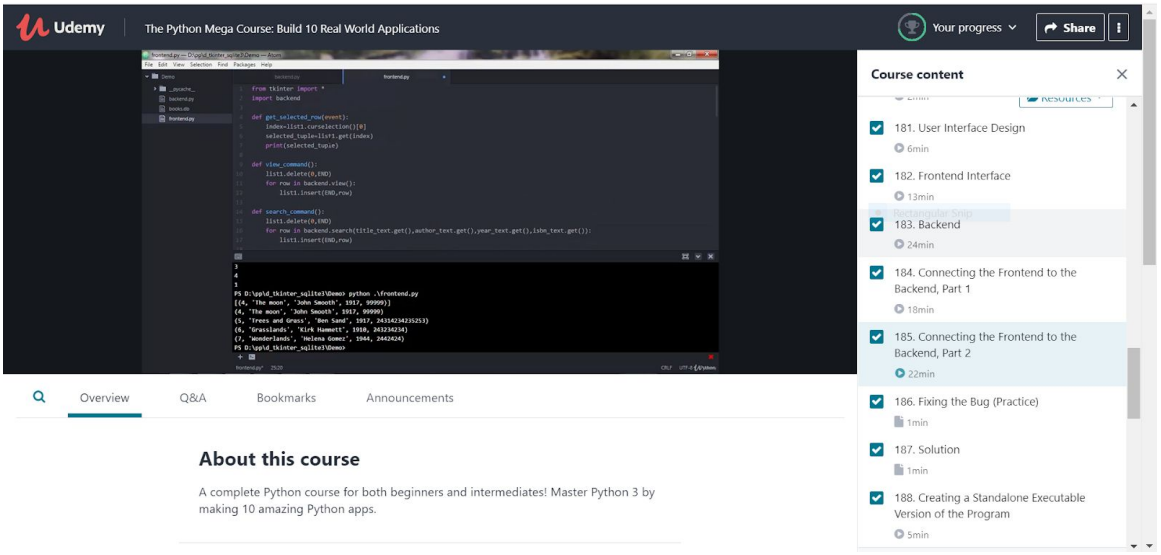
184. Connecting the Frontend to the Backend, Part 1
18min
185. Connecting the Frontend to the Backend, Part 2
22min
186. Fixing the Bug (Practice)
1min
187. Solution
1min
188. Creating a Standalone Executable Version of the Program
5min
Section 24: Object Oriented Programming
0 / 8 | 1hr 15min
Section 25: Python for Image and Video Processing with OpenCV
0 / 8 | 1hr 2min
Overview
Q&A
Bookmarks
Announcements
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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181. User Interface Design
6min
182. Frontend Interface
13min
183. Backend
24min
184. Connecting the Frontend to the Backend, Part 1
18min
185. Connecting the Frontend to the Backend, Part 2
22min
186. Fixing the Bug (Practice)
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- **Build a Desktop Database Application**
  - **How the output will look like**
  - **User Interface Design**
  - **Frontend and Backend Interface**
    - ★ **The terms front end and back end refers to the seperation of concerns between the presentation layer (front end), and the data access layer (back end) of a piece of software**
    - ★ **Frontend refers to the client-side, whereas backend refers to the server-side of the application**
    - ★ **Both are crucial to web development, but their roles, responsibilities and the environments they work in are totally different. Front end is basically what users see whereas the backend is how everything works.**
  - **Connecting the Frontend to the Backend**
  - **Fixing the Bug**
  - **Creating a Standalone Executable version of the Program**