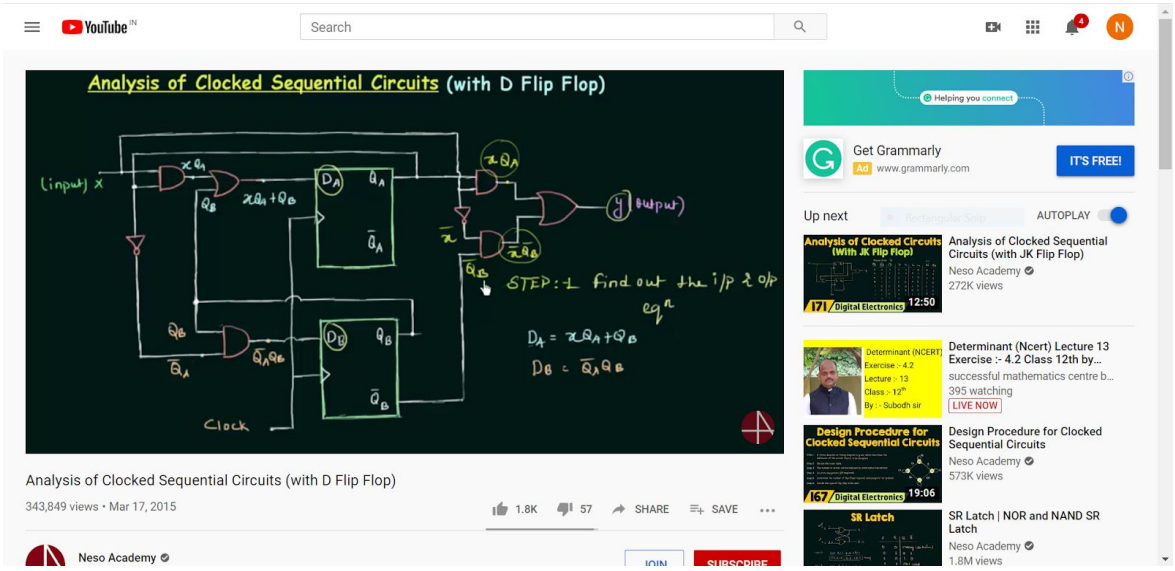
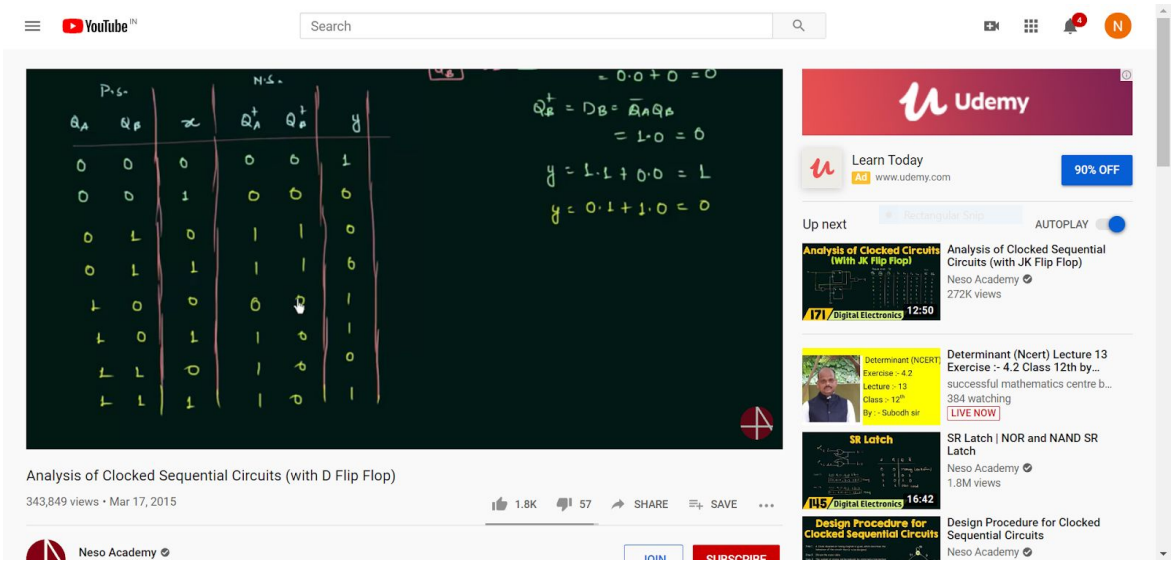
# DAILY ASSESSMENT FORMAT

| Date: | 28-05-2020 | Name: | Neha T |
|---|---|---|---|
| Course: | Logic Design | USN: | 4AL18EC035 |
| Topic: | 1.Analysis of clocked sequential circuits<br>2.Digital clock design | 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.**

➢ **Analysis of Clocked sequential circuits**

- **Under this session I learnt how to approach sequential circuits**
- **Analysis of clocked sequential circuits with D flip flop were discussed under this session**
- **Some flip-flop have asynchronous inputs that are used to force the flip flop to a particular state independently of the clock**
- **The input that sets the flip flop tp 1 - present or direct set**
- **The input that clears the flip flop to 0 - clear or direct reset**
- **When power is turned on in a digital system, the state of the flip flop is unknown**
- **The direct inputs are useful for bringing all the flip flops in the system to a known starting state prior to the clocked operation**
- **Basically there are 3 steps**
  - ★ **Find out the input and output equations**
  - ★ **State table**
  - ★ **State diagram**

➢ **Digital clock design**

- **A digital clock is a type of clock that displays the time digitally as opposed to an analogue clock, where the time is indicated by the positions of rotating hands.**
- **Digital clocks are often associated with electronic drives, but the "digital" description refers only to the display, not to the drive mechanism.**
- **Construction -**
  - ★ **Digital clocks typically use the 50 or 65 hertz oscillation of AC power or a 32,768 hertz crystal oscillator as in a quartz clock to keep time.**
  - ★ **Most digital clocks display the hour of the day in 24-hour format; in the United States and a few other countries, a commonly used hour sequence option is 12-hour format (with some indication of AM or PM).**
  - ★ **Some timepieces, such as many digital watches, can be switched between 12-hour and 24-hour modes.**
  - ★ **Emulations of analog-style faces often use an LCD screen, and these are also sometimes described as "digital**

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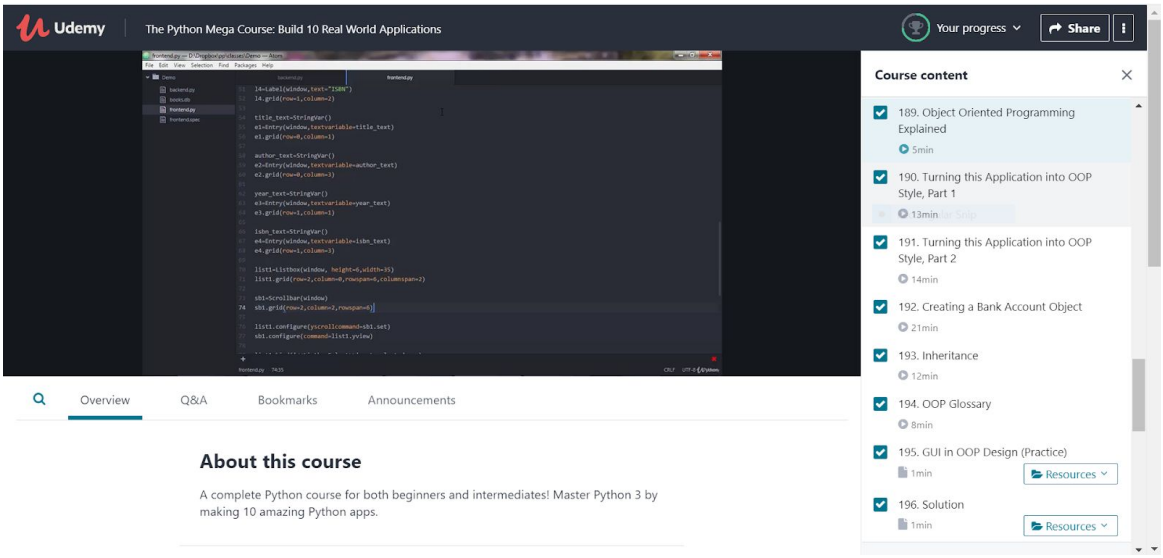
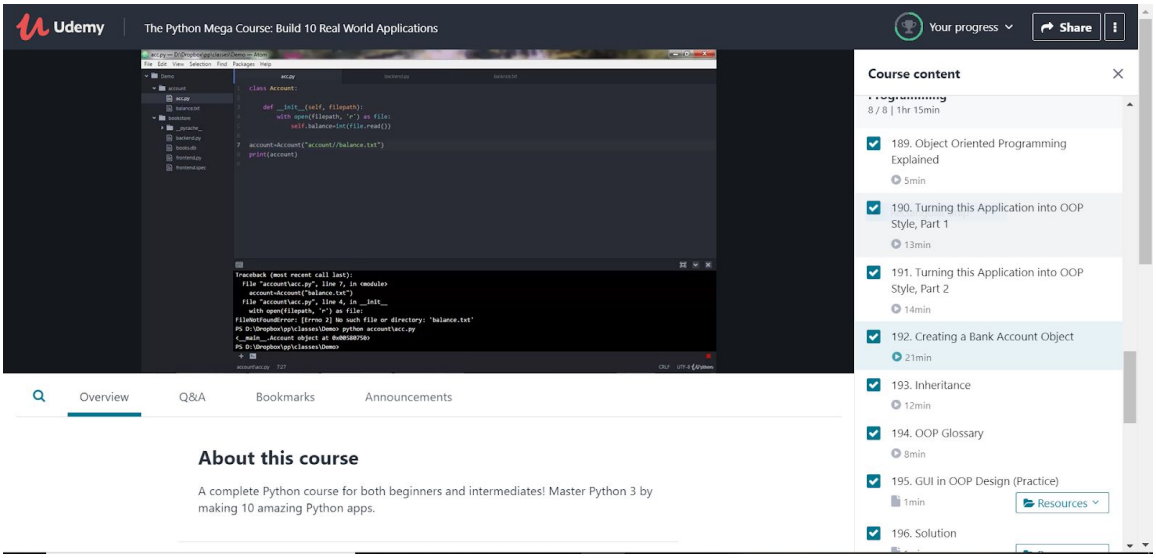
|---|---|---|---|
| **Date:** | **28-05-2020** | **Name:** | **Neha T** |
| **Course:** | **Python** | **USN:** | **4AL18EC035** |
| **Topic:** | **Object Oriented Programming** | **Semester & Section:** | **4th sem A sec** |

## AFTERNOON SESSION DETAILS

**Image of session**



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➢ **Object Oriented Programming**

- **Briefing of Object Oriented Programming**
  - ★ **Type of computer programming (software design) in which programmers define the data type of a data structure, and also the types of operations (functions) that can be applied to the data structure**
  - ★ **Objects can inherit characteristics from other objects**

- **Under this session**

  - ★ **Turning this Application into OOP style**
  - ★ **Creating a Bank Account Object**
  - ★ **Inheritance**
  - ★ **OOP Glossary**
  - ★ **Practicing GUI in OOP Design**

  **were discussed**