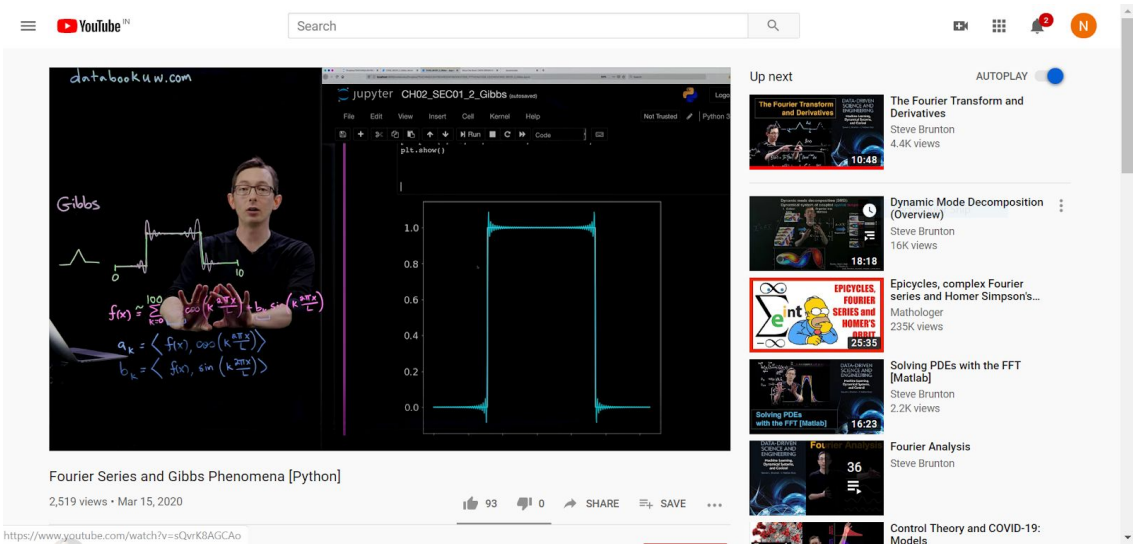
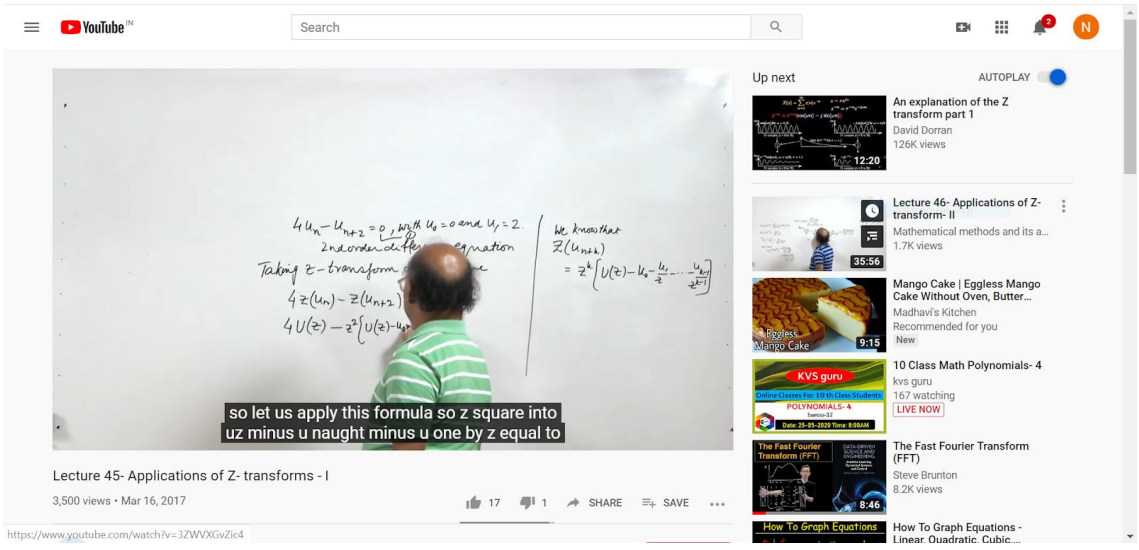
DAILY ASSESSMENT FORMAT

Date:	25-05-2020	Name:	Neha T
Course:	Signals and Systems	USN:	4AL18EC035
Topic:	1.Fourier Transform 2.Z-Transform	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.

- **Fourier series and Gibbs Phenomena using Python**
    - **What can go wrong**
        - ★ **Discontinuous - real problem for the Fourier serie**
- **Fourier Transform**
    - **How we generalise from periodic functions to the fourier transform which is defined on an infinite domain**
- **The Fourier Transform and derivatives**
    - **Method of approximating a continuous function f(x)**
    - **Can use that either to approximate derivatives numerically very accurately or can also use to transform from Partial Differential Equation into Ordinary Differential Equation**
- **Fourier Transform and Convolution integrals**
    - **If we have two functions f and g then if we Fourier transform the convolution it just becomes the product in the Fourier transform domain**
    - **Convolution becomes the product in the Fourier transform that is very useful**
- **Institute of Fourier transform and Laplace transform**
- **Laplce transform of First Order**
    - **f(t) --- F(S)**
    - **y(t) -- Y(S)**
    - **When we take the derivative of a function we multiply its Laplace transform by s that's the rule**
    - **If we have two derivatives we multiply it by square of s**
    - **Changed from t time in Differential Equation to s in the Laplace transform**
- **Implementation of Laplace Transform using Matlab**
- **Application of z-transform**
    - **Difference equation**
    - **Order if Differential Equation**
    - **Solution of Differential Equation**
        - ★ **General solution**
        - ★ **Particular solution**
    - **Linear Differential Equation with constant coefficient**

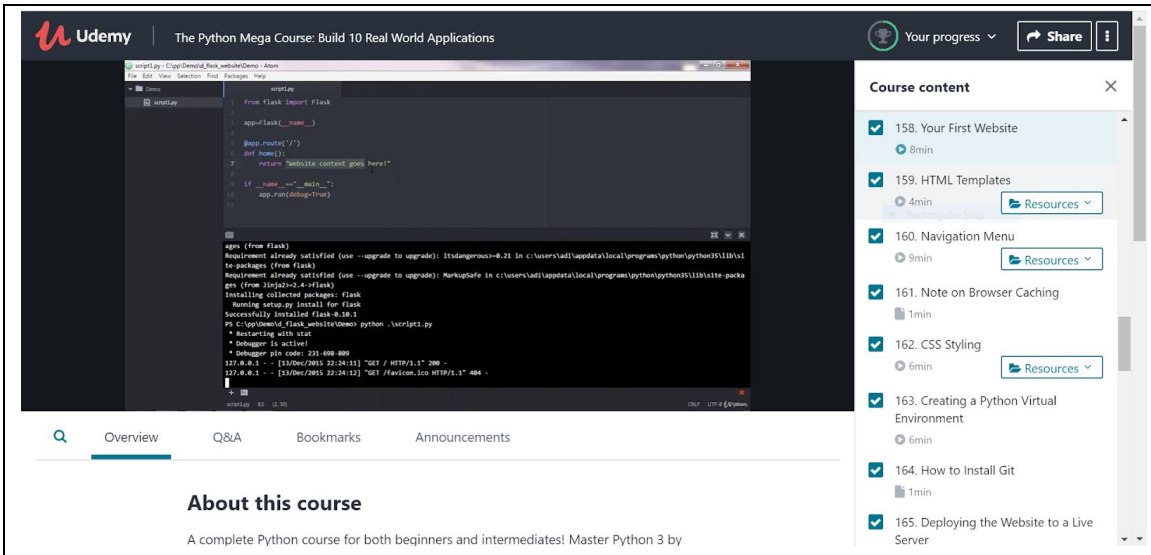
- **Properties**

➢ **Finding the z-transform of sequence using Matlab**

Date:	**25-05-2020**	**Name:**	**Neha T**
Course:	**Python**	**USN:**	**4AL18EC035**
Topic:	**Build a personal website with Python and Flask**	**Semester & Section:**	**4TH sem A sec**

AFTERNOON SESSION DETAILS

Image of session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158. Your First Website
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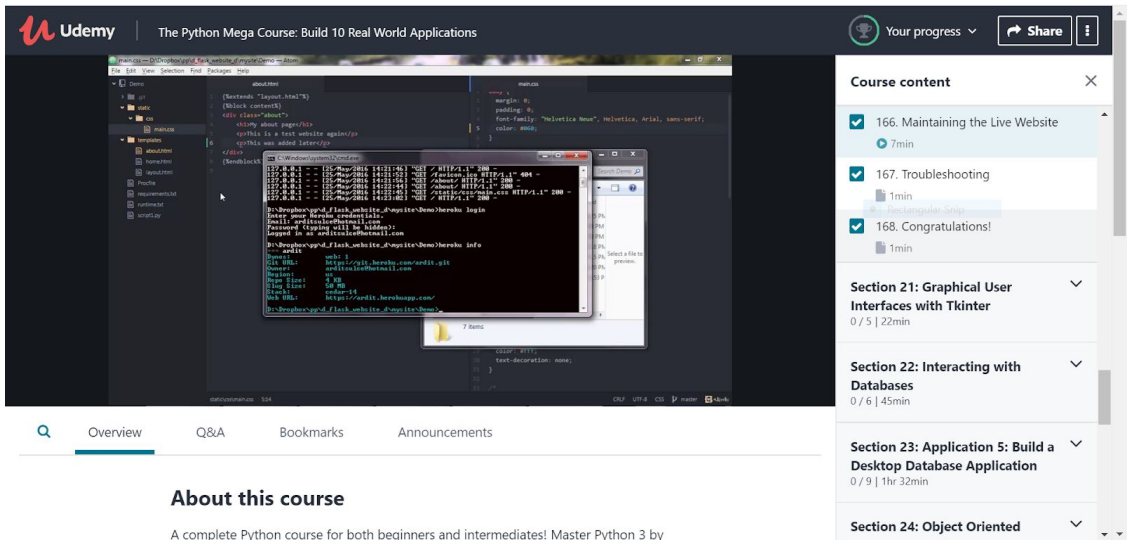
159. HTML Templates
4min
Resources
160. Navigation Menu
9min
Resources
161. Note on Browser Caching
1min
162. CSS Styling
6min
Resources
163. Creating a Python Virtual Environment
6min
164. How to Install Git
1min
165. Deploying the Website to a Live Server
Overview
Q&A
Bookmarks
Announcements
About this course
A complete Python course for both beginners and intermediates! Master Python 3 by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166. Maintaining the Live Website
7min
167. Troubleshooting
1min
168. Congratulations!
1min
Section 21: Graphical User Interfaces with Tkinter
0 / 5 | 22min
Section 22: Interacting with Databases
0 / 6 | 45min
Section 23: Application 5: Build a Desktop Database Application
0 / 9 | 1hr 32min
Section 24: Object Oriented
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- **Build a Personal Website with Python and Flask**
  - **Flask is a great Python framework for building web applications and it is very easy to learn. Flask web framework and you will build a website from scratch**
  - **Briefed about how the output will look like**
  - **First website**
  - **HTML Templates**
    - **We don't have plain text, but text with various formats. That is made possible by returning an HTML template instead of a plain Python string.**
  - **Navigation Menu**
    - **We need to add a menu so that user can easily navigate through the webpages by just clicking their links**
  - **CSS Styling**
    - **So far our website consists of a Python script and HTML documents**
    - **Now we need to add some style formatting to the HTML structure using CSS. That is done by creating CSS file and connecting it to our HTML files**
    - **CSS is a style language that like HTML it is also very easy to learn**
    - **CSS stylesheets are considered static files**