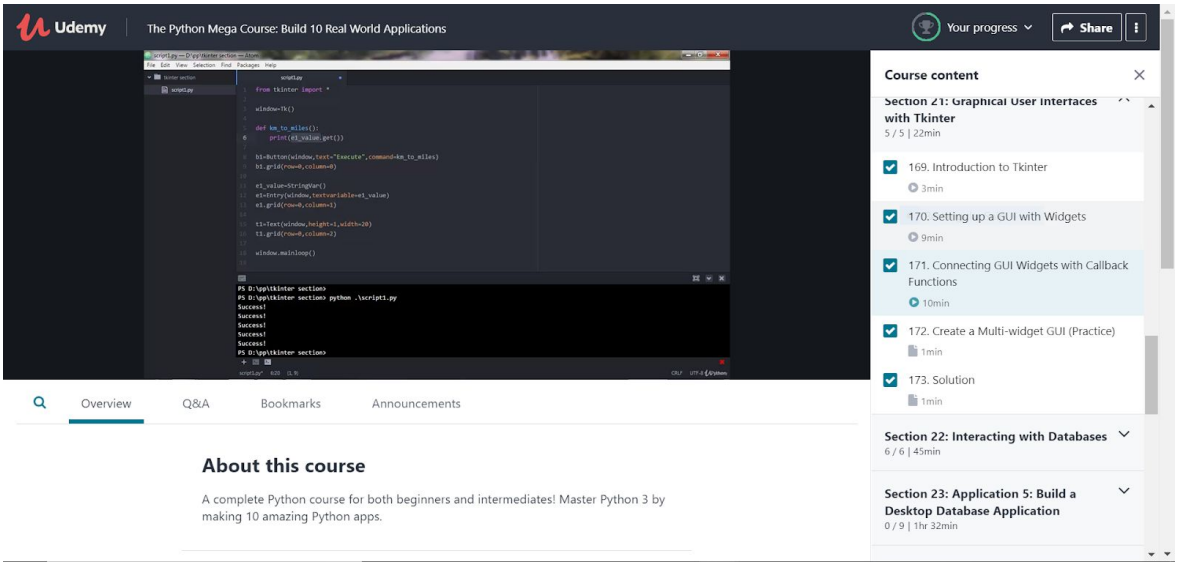
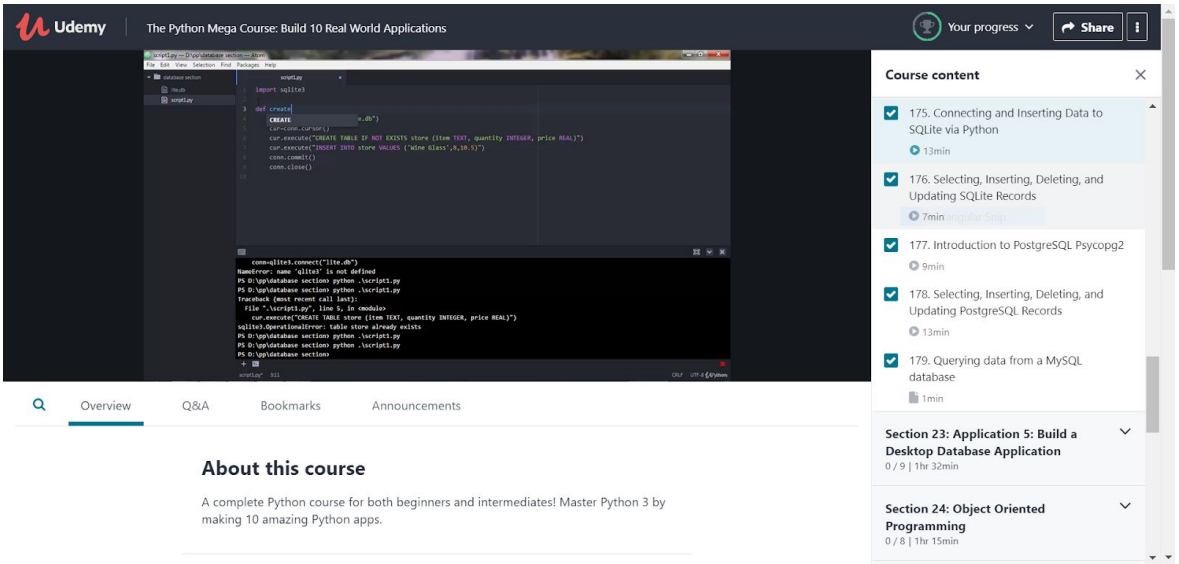
DAILY ASSESSMENT FORMAT

Date:	26-05-2020	Name:	Neha T
Course:	Python	USN:	4AL18EC035
Topic:	1.Graphical User Interfaces with Tkinter 2.Interacting with with Databases	Semester & Section:	4th sem A sec
Github Repository:	Neha-T		

AFTERNOON SESSION DETAILS

Image of session





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

- **Graphical User Interfaces with Tkinter**
  - **Intro to Tkinter**
    - ★ **Standard GUI library for python**
    - ★ **Python when combined with Tkinter provides a fast and easy way to create GUI application**
  - **Setting up a GUI with Widgets**
  - **Connecting GUI Widgets with Callback Functions**
  - **Practicing to create a Multi-widget GUI**
- **Interacting with Databases**
  - **Introduction to Python with Databases**
    - ★ **Discussed about basic database design for storing data as a part of a multi-step data gathering, analysis, and processing effort**
    - ★ **PostgreSQL and MySQL are the two of the most common open source databases for storing Python web applications data**
  - **Connecting and Inserting Data to SQLite via Python**
    - ★ **First, connect to the SQLite database by creating a connection object**
    - ★ **Second, create a Cursor object by calling the cursor method of the connection object**
    - ★ **Third, execute an INSERT statement.**
    - ★ **If we want to pass arguments to the INSERT statement, we use the question mark(?) as the placeholder for each argument**
  - **It then takes us through Selecting, Inserting, Deleting, and Updating SQLite Records**
  - **Introduction to PostgreSQL Psycopg2**
    - ★ **Psycopg2 is the most popular python driver for PostgreSQL**
    - ★ **It is required for most Python and PostgreSQL frameworks**
  - **Selecting, Inserting, Deleting, and Updating PostgreSQL Records**
  - **Querying data from a MySQL database**