

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

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Course content

Section 21: Graphical User Interfaces with Tkinter 5 / 5 | 22min

- 169. Introduction to Tkinter 3min
- 170. Setting up a GUI with Widgets 9min
- 171. Connecting GUI Widgets with Callback Functions 10min
- 172. Create a Multi-widget GUI (Practice) 1min
- 173. Solution 1min

Section 22: Interacting with Databases 6 / 6 | 45min

Section 23: Application 5: Build a Desktop Database Application 0 / 9 | 1hr 32min

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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Course content

- 175. Connecting and Inserting Data to SQLite via Python 13min
- 176. Selecting, Inserting, Deleting, and Updating SQLite Records 7min
- 177. Introduction to PostgreSQL Psycopg2 3min
- 178. Selecting, Inserting, Deleting, and Updating PostgreSQL Records 13min
- 179. Querying data from a MySQL database 1min

Section 23: Application 5: Build a Desktop Database Application 0 / 9 | 1hr 32min

Section 24: Object Oriented Programming 0 / 8 | 1hr 15min

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A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

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**