

Day-20 Assignment Questions

1. SQLite CRUD Operations

Write a Python program that:

- Connects to an SQLite database named company.db
 - Creates a table named employees with columns id (INTEGER, PRIMARY KEY), name (TEXT), department (TEXT), and salary (REAL).
 - Inserts at least **3 employees'** details into the table.
 - Fetches and prints all employees from the employees table.
 - Updates the salary of one employee and displays the updated data.
 - Deletes an employee and displays the remaining records.
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2. Regular Expressions - Data Extraction

Write a Python program that:

- Accepts a paragraph of text from the user.
- Extracts all **email addresses** and **phone numbers** from the text using regex.
- Prints the extracted email addresses and phone numbers.

Hint:

Use regex patterns:

- `r"\b[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-Z|a-z]{2,7}\b"` for emails
 - `r"\d{10}|\d{3}-\d{3}-\d{4}"` for phone numbers
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