cybercom
creation

Topic: SQL, Database Schema

Created By: Pritey Mehta

Important Notes:

All queries should be submitted in a sql file with the query number as the file name. set prefix as 3-2 to differentiate the query file for the day.

The query definition should be in this file.

Case 1

Consider a table called "books" with the following columns: "id", "title", "author", "publication_year". Write a SQL query to retrieve the title and author of the oldest book in the table.

Case 2

Create a table called "employees" with the following columns: "id" (integer, primary key), "name" (text), "age" (integer), and "salary" (integer).

Insert the following data into the "employees" table:

id	name	age	salary
1	John	35	60000

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2     Mary 27    50000

3     Peter      42    75000

4     Olivia     29    55000

5     Michael    38    80000
```

1. Write a SQL query to select all employees from the "employees" table.

2. Write a SQL query to select the name and salary of all employees with a salary greater than 60000.

3. Write a SQL query to update Peter's age to 43.

4. Write a SQL query to delete the employee with the id of 4.

5. Write a SQL query to calculate the average salary of all employees.

6. Write a SQL query to select the name and age of the oldest employee.

7. Write a SQL query to select the name and age of the youngest employee.

8. Write a SQL query to select the name of the employee with the highest salary.