MySQL Assignment

Task 1: Install MariaDB on Ubuntu

1. Update the system packages.
2. Install the **MariaDB Server** package.
   `sudo apt install mariadb-server -y`
3. Check whether the MariaDB service is running.
   `sudo systemctl status mariadb`
4. Verify the installed MariaDB version.

📷 *Screenshot required: MariaDB installation and service status*

Task 2: Create a New Database User

1. Login to mysql as root.
2. Create a new database user.

🔹 **Important Rule (Mandatory):**
The **database username must be the student's own name**
(example: `meet`, `janhavi`, `saurabh`, etc.)

3. Set a password of your choice.
4. Verify that the user is created.

📷 *Screenshot required: User creation*

Task 4: Assign Permissions to the User

Grant **only the following permissions** to the newly created user:

- SELECT
- INSERT
- DELETE

1. Assign the permissions.
2. Apply the privilege changes.
3. Verify the granted privileges.

📷 *Screenshot required: Granted privileges*

Task 5: Login Using the New User

1. Logout from the root user.
2. Login using your **own-name database user**.
3. Confirm successful login.

📷 *Screenshot required: Login with new user*

Task 6: Create Database

1. Using the new user account, create a database.

- **Database Name (Mandatory):**

```
Sunbeam
```

2. Display the list of databases to confirm creation.

📷 *Screenshot required: Database creation*

Task 7: Create Table

1. Select the `Sunbeam` database.
2. Create a table.

- **Table Name (Mandatory):**

```
Cyber
```

- **Table Structure (must be exactly the same):**

Column Name	Description
id	Integer – Student ID
name	Student Name
course	Course Name
marks	Integer – Marks

📷 *Screenshot required: Table structure*

Task 8: Insert Data into Table

Insert **exactly the following records** into the `Cyber` table:

id	name	course	marks
1	meet	Cyber Security	78
2	janhavi	Ethical Hacking	85
3	saurabh	Networking	72

1. Insert all records.
2. Display the table data.

📷 *Screenshot required: Inserted records*

Task 9: Delete Data

1. Delete the record where `id = 3`.
2. Display the table again to confirm deletion.

📷 *Screenshot required: Data after deletion*

📤 Submission Instructions

Upload to GitHub:

- Screenshots