

To rename a database in MySQL.

Step 1: Take a Backup of the Existing Database

Use the `mysqldump` command to create a backup of your existing database (in your case, `demo2`).

```
mysqldump -h localhost -u root -p demo2 > dump.sql
```

- `-h localhost` : Specifies the host (in this case, it's localhost).
- `-u root` : Specifies the username (root).
- `-p` : Prompts for the password.
- `demo2` : The name of the database you want to back up.
- `> dump.sql` : Redirects the output to a file named `dump.sql` .

Step 2: Restore the Backup to a New Database

Next, you can create a new database (in this case, `demo3`) and restore the data from the backup.

1. Create the New Database

First, log into MySQL and create the new database.

```
mysql -h localhost -u root -p
```

Once you're in the MySQL prompt, run:

```
CREATE DATABASE demo3;
```

1. Restore the Backup

Now, you can restore the data from the `dump.sql` file to the new database (`demo3`).

```
mysql -h localhost -u root -p demo3 < dump.sql
```

Step 3: Verify the Data

After restoring the backup, it's good practice to verify that the data has been transferred correctly.

```
mysql -h localhost -u root -p
```

Then, run:

```
USE demo3;  
SHOW TABLES;
```

Step 4: Drop the Old Database (Optional)

If you have confirmed that everything is in order in the new database, you can drop the old database if you no longer need it.

```
DROP DATABASE demo2;
```

Summary of Commands

Here's a quick summary of the commands involved in renaming the database:

1. Backup Existing Database:

```
mysqldump -h localhost -u root -p demo2 > dump.sql
```

2. Log into MySQL:

```
mysql -h localhost -u root -p
```

3. Create New Database:

```
CREATE DATABASE demo3;
```

4. Restore Backup:

```
mysql -h localhost -u root -p demo3 < dump.sql
```

5. Verify Data:

```
USE demo3;  
SHOW TABLES;
```

6. Drop Old Database (if needed):

```
DROP DATABASE demo2;
```

Important Notes

- Ensure you have the proper privileges to perform these operations.
- Always verify the integrity of your data after restoration.
- It's a good practice to keep the backup until you confirm that the new database is functioning correctly.

In []: