# Internship Task 4: Database Backup and Recovery

## 📝 Task Objective:

To demonstrate how to back up a database and restore it in case of failure.

## 🧰 Tools Used:

• MySQL Workbench  
• SQL Editor

## 📁 Database Name:

testdb

## 📌 Backup Process:

1. Created the database `testdb`  
2. Created a table `students` with fields:  
 - `id` (INT, auto-increment, primary key)  
 - `name` (VARCHAR)  
 - `age` (INT)  
3. Inserted test data (Alice, Bob, Charlie)  
4. Copied the entire SQL (structure + data) into a file  
5. Saved the file as `backup\_testdb.sql`

## 💥 Simulated Failure:

Deleted the database `testdb` using DROP SCHEMA

## 🔁 Recovery Process:

1. Opened the file `backup\_testdb.sql` in SQL Editor  
2. Executed it to restore database, table, and all data

## ✅ Final Output:

Database `testdb` successfully restored with original data.

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