

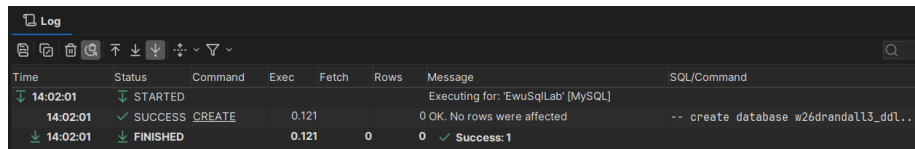
# CSCD 327 Lab 1

Dustin Randall

January 9, 2026

## 1 Create student table(ID, name, major, city, state)

```
1 CREATE TABLE student(  
2   ID int,  
3   name varchar(20),  
4   major varchar(20),  
5   city varchar(20),  
6   state char(2),  
7   primary key(ID)  
8 )
```



The screenshot shows a database log window with a table of execution details. The table has columns for Time, Status, Command, Exec, Fetch, Rows, Message, and SQL/Command. The log shows a sequence of events: a STARTED event at 14:02:01, a SUCCESS event at 14:02:01 for the CREATE command, and a FINISHED event at 14:02:01. The message for the SUCCESS event indicates that 0 rows were affected.

Time	Status	Command	Exec	Fetch	Rows	Message	SQL/Command
14:02:01	STARTED					Executing for: 'EwuSqlLab' [MySQL]	
14:02:01	SUCCESS	CREATE	0.121		0	0 OK. No rows were affected	-- create database w26dranda1l3_ddl...
14:02:01	FINISHED		0.121	0	0	Success: 1	

Figure 1: Creating the student table

## 2 Create department table where dept\_name is unique.

```
1 CREATE TABLE department(  
2     dnumber int,  
3     dept_name varchar(20) unique,  
4     building varchar(20),  
5     primary key(dnumber)  
6 )
```

ts	Status	Command	Exec	Fetch	Rows	Message	SQL/Command
14:17:35	STARTED					Executing for: 'EwuSqlLab' [MySQL], Database.	
14:17:35	SUCCESS	CREATE	0.100		0	OK. No rows were affected	create table department(...
14:17:35	FINISHED		0.100	0	0	✓ Success: 1	

Figure 2: Creating the department table

### 3 Split name into first and last name

```
1 ALTER TABLE student
2   ADD first_name varchar(20),
3   ADD last_name varchar(20),
4   DROP name
```

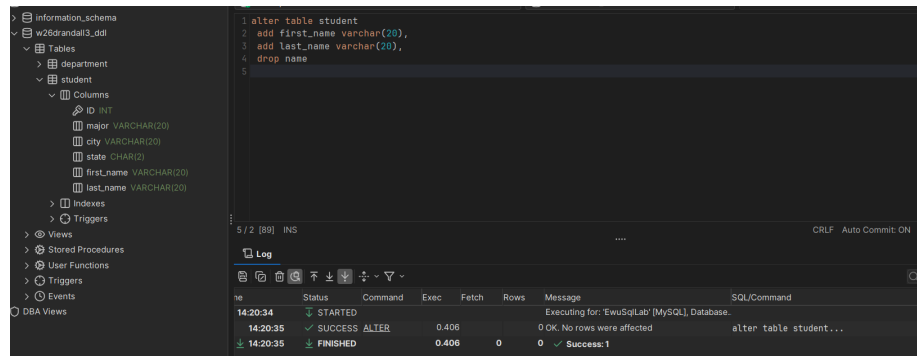


Figure 3: Rename the student table

## 4 Add foreign key to the department table's dnumber

```
1 ALTER TABLE student
2 ADD dnumber int,
3 ADD constraint fk_constraint foreign key(dnumber) references department(dnumber)
```

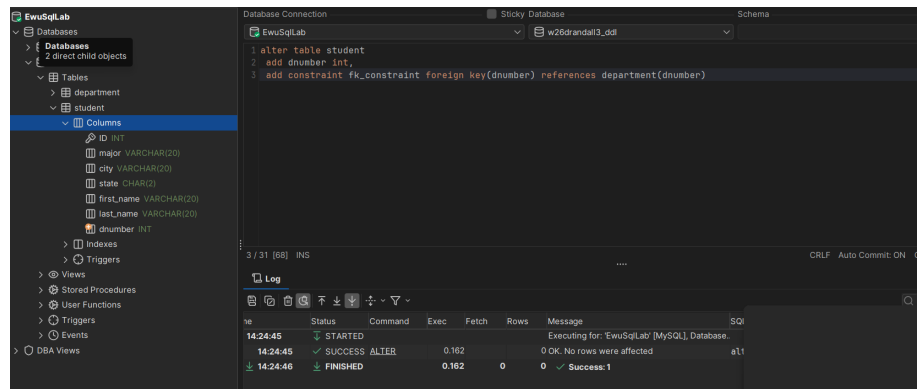


Figure 4: Adding foreign key to the student table

## 5 Rename student table to student\_details

```
1 RENAME TABLE student TO student_details
```

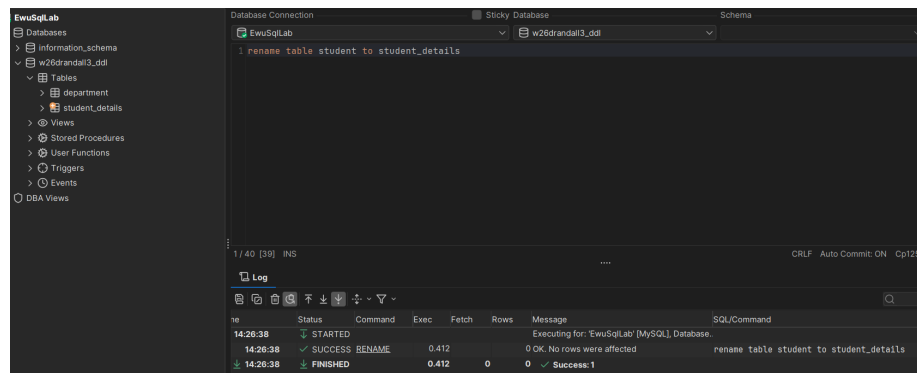


Figure 5: Rename the student table

## 6 Retrieve the details of the columns of student\_details

```
1 DESCRIBE student_details
```

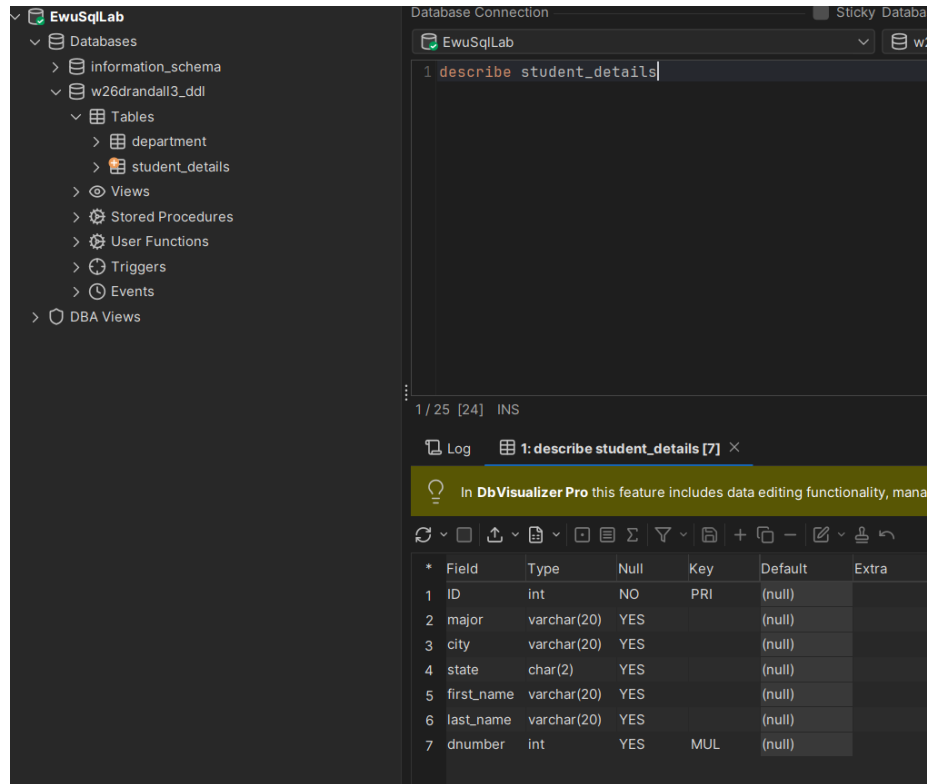


Figure 6: Describe student\_details

## 7 Delete both tables

```
1 DROP TABLE student_details, department
```

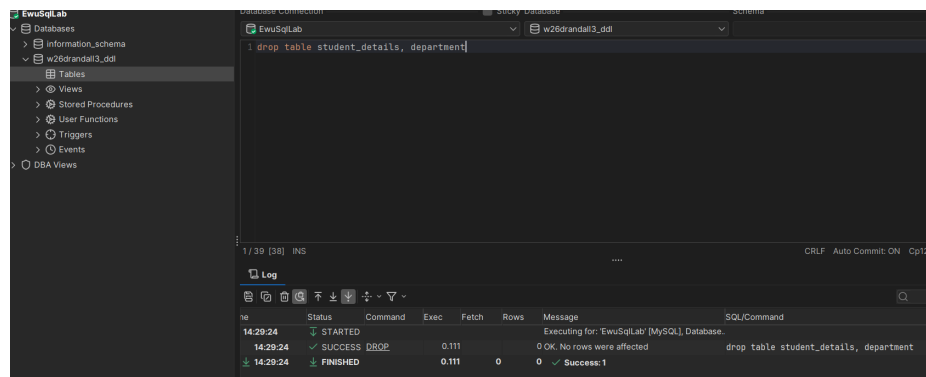


Figure 7: Drop both tables