

SMARTBRIDGE -MODERN APPLICATION DEVELOPMENT

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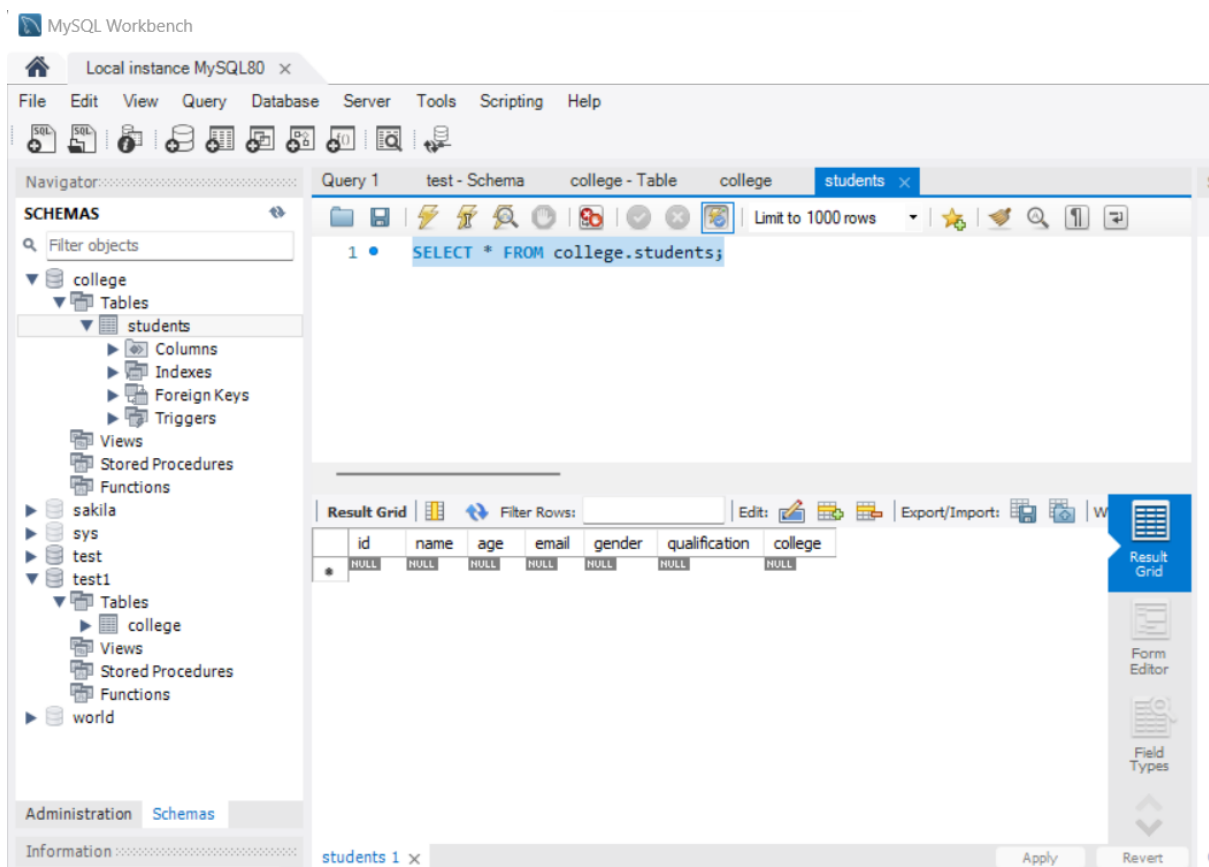
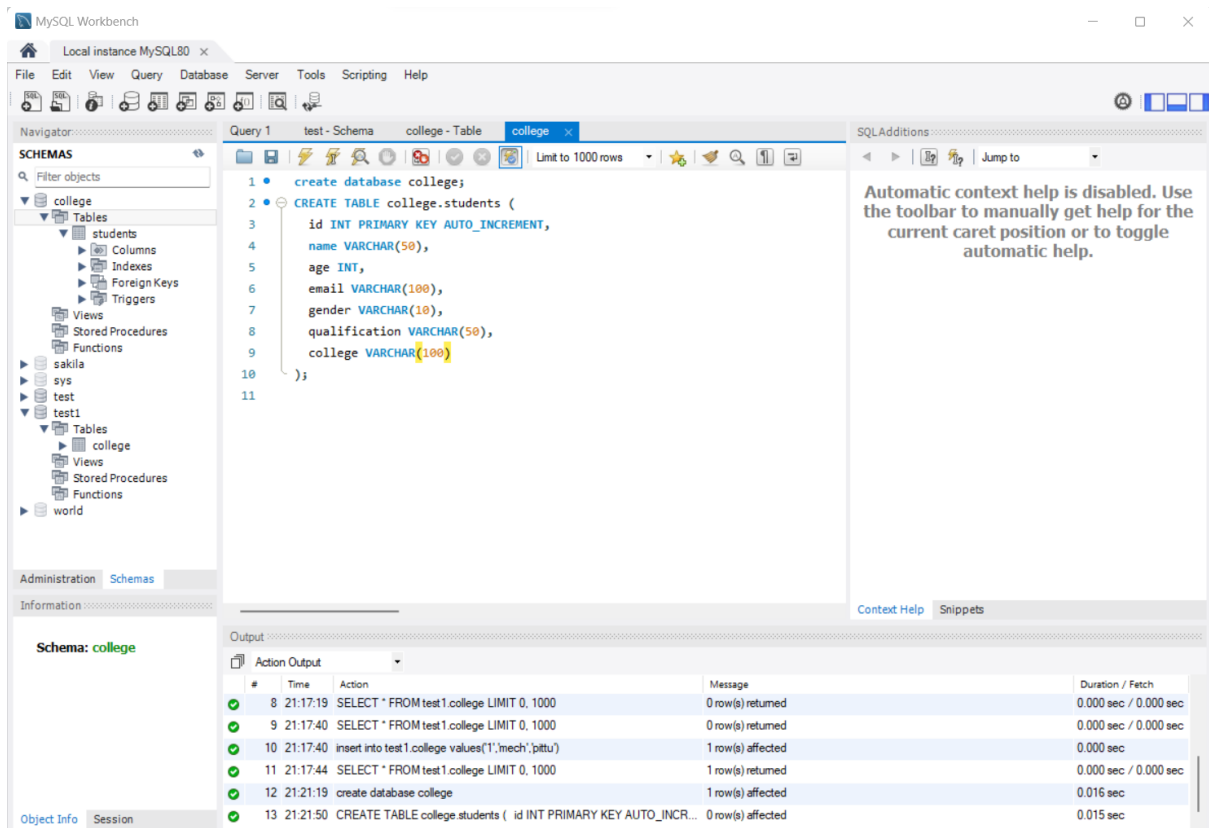
ASSIGNMENT_2

Create table,update,delete commands in mysql

Code:

Create database college;

```
CREATE TABLE students (  
    id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50),  
    age INT,  
    email VARCHAR(100),  
    gender VARCHAR(10),  
    qualification VARCHAR(50),  
    college VARCHAR(100)  
);
```



Insertion

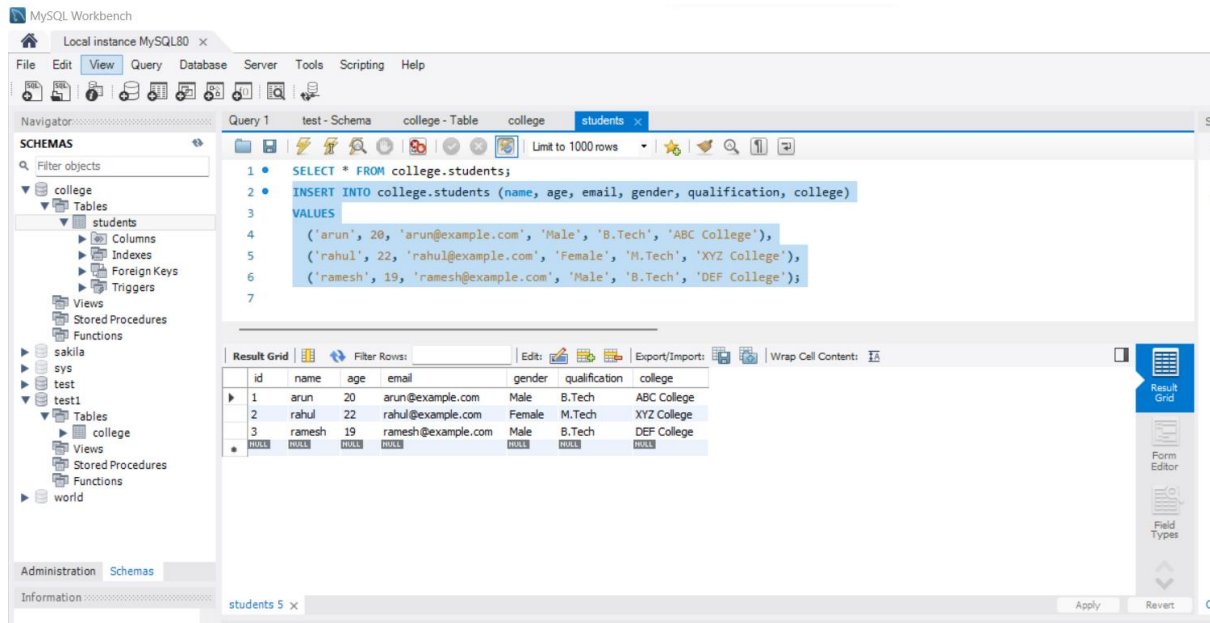
INSERT INTO college.students (name, age, email, gender, qualification, college)

VALUES

('arun', 20, 'arun@example.com', 'Male', 'B.Tech', 'ABC College'),

('rahul', 22, 'rahul@example.com', 'Female', 'M.Tech', 'XYZ College'),

('ramesh', 19, 'ramesh@example.com', 'Male', 'B.Tech', 'DEF College');

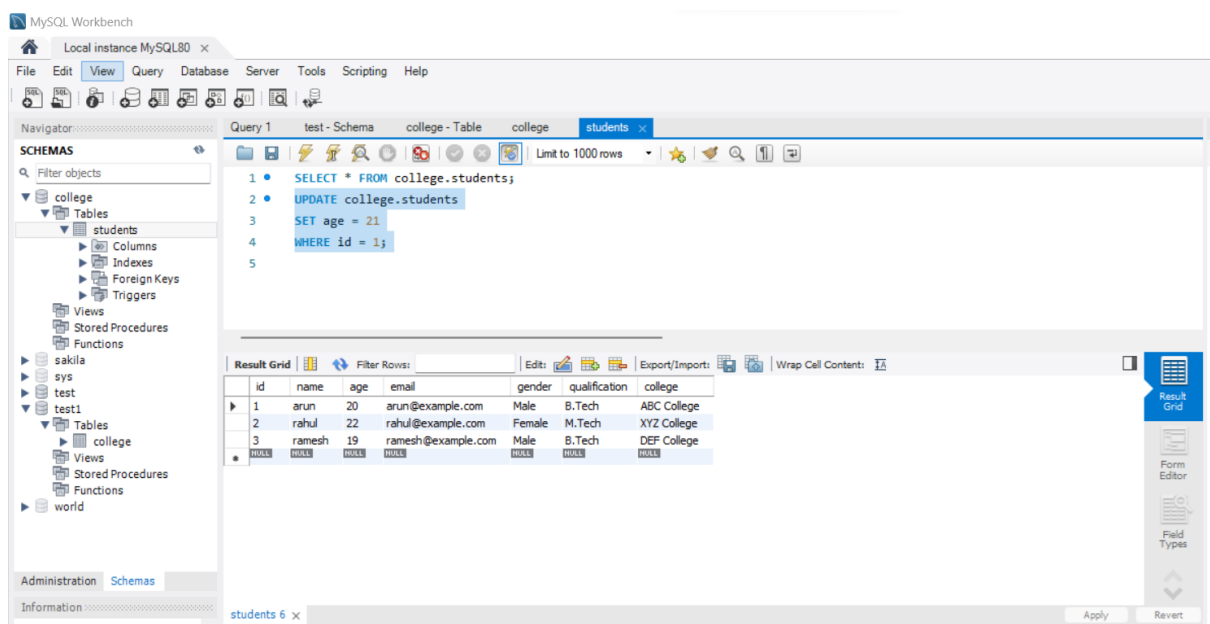


Update

UPDATE college.students

SET age = 21

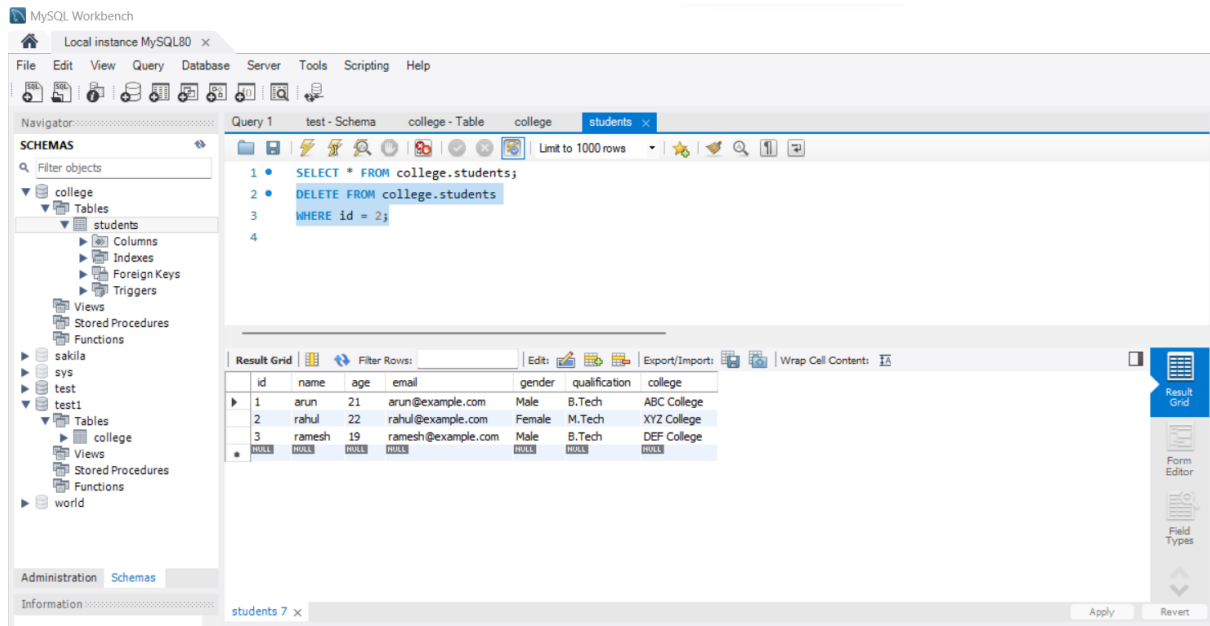
WHERE id = 1;



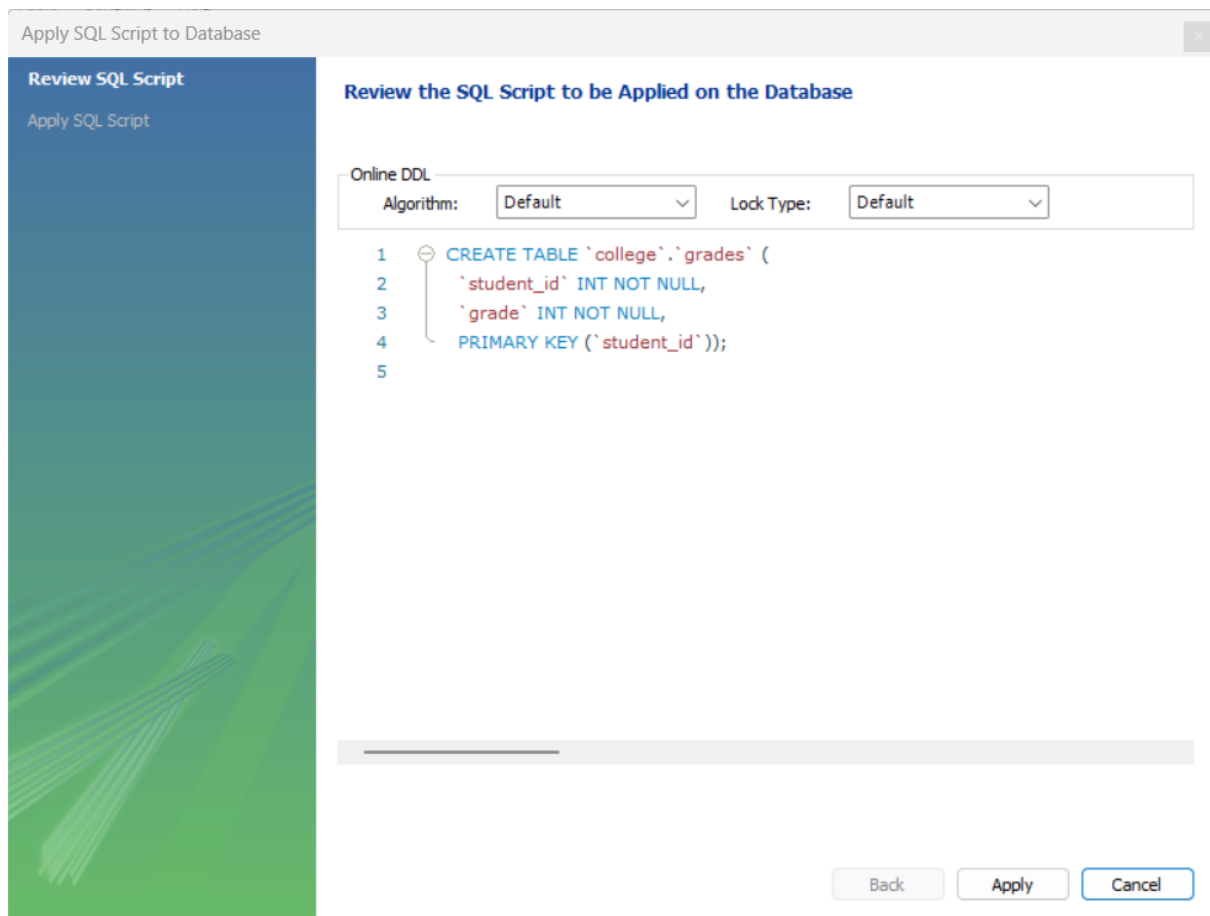
Delete

DELETE FROM college.students

WHERE id = 2;



Join



USE college;

SELECT students.name, students.college, grades.grade

FROM students

JOIN grades ON students.id = grades.student_id;

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'college' selected. The main editor shows a SQL query with five lines: 1. USE college; 2. SELECT students.name, students.college, grades.grade 3. FROM students 4. JOIN grades ON students.id = grades.student_id; 5. The 'Result Grid' shows one row: name: arun, college: ABC College, grade: 6. The 'Output' pane at the bottom shows the execution log with messages for each statement, including errors for missing database and column, and a successful message for the final SELECT query.

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

college

Tables

grades

Columns

student_id

grade

Indexes

Foreign Keys

Triggers

students

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sakila

sys

test

test1

Tables

college

Administration Schemas

Information

Schema: college

Object Info Session

Query 1 test - Schema college - Table college students grades - Table

Limit to 1000 rows

1 USE college;

2 SELECT students.name, students.college, grades.grade

3 FROM students

4 JOIN grades ON students.id = grades.student_id;

5

Result Grid

name	college	grade
arun	ABC College	6

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 6

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
32	21:38:42	SELECT college.students.name, college.students.college, college.grades...	Error Code: 1046. No database selected Select the default DB to be used...	0.000 sec
33	21:39:32	select college SELECT students.name, students.college, grades.grade F...	Error Code: 1064. You have an error in your SQL syntax; check the manu...	0.000 sec
34	21:39:41	select college LIMIT 0, 1000	Error Code: 1054. Unknown column 'college' in field list	0.000 sec
35	21:40:36	SELECT students.name, students.college, grades.grade FROM students ...	Error Code: 1046. No database selected Select the default DB to be used...	0.000 sec
36	21:42:11	USE college	0 row(s) affected	0.000 sec
37	21:42:11	SELECT students.name, students.college, grades.grade FROM students ...	1 row(s) returned	0.000 sec / 0.000 sec