

Task 2 : Data Insertion and Handling Nulls

queries.sql

```
1 CREATE TABLE Students (  
2     student_id INTEGER PRIMARY KEY,  
3     name TEXT NOT NULL,  
4     email TEXT UNIQUE,  
5     course TEXT DEFAULT 'Undeclared',  
6     marks INTEGER,  
7     phone TEXT  
8 );  
9  
10 -- 1. INSERT: Adding rows  
11 INSERT INTO Students (student_id, name, email, course, marks, phone)  
12 VALUES (1, 'Anu', 'anu123@gmail.com', 'Mathematics', 85, '9876543210');  
13  
14 INSERT INTO Students (student_id, name, email, course, marks, phone)  
15 VALUES (2, 'Raju', 'raju34@gmail.com', 'Science', 90, NULL);  
16  
17 -- Using DEFAULT for course  
18 INSERT INTO Students (student_id, name, email, marks, phone)  
19 VALUES (3, 'Priya', 'priyaka79@gmail.com', 75, '9876501234');  
20  
21 -- Inserting NULL explicitly  
22 INSERT INTO Students (student_id, name, email, course, marks, phone)  
23 VALUES (4, 'Trupti', 'trupti99@gmail.com', NULL, NULL, NULL);  
24  
25 -- 2. UPDATE: Modify data  
26 -- Update one student's marks  
27 UPDATE Students  
28 SET marks = 95  
29 WHERE student_id = 1;  
30  
31 -- Update multiple rows: change course for all students without course  
32 UPDATE Students  
33 SET course = 'General Studies'  
34 WHERE course IS NULL;  
35  
36 -- 3. DELETE: Remove rows  
37 -- Delete one student by ID  
38 DELETE FROM Students  
39 WHERE student_id = 4;
```

STDIN

Input for the program (Optional)

Output:
1|Anu|anu123@gmail.com|Mathematics|95|9876543210
2|Raju|raju34@gmail.com|Science|90|
3|Pooja|pooja45@gmail.com|Physics|88|9988776655

OneCompiler

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AI NEW SQLITE RUN

24°C Partly cloudy

Search

21:16 05-08-2025