

- b. ALTER TABLE : Add a new column  
ALTER TABLE students  
ADD phone\_number VARCHAR(15);

- 7. ALTER TABLE: Rename a column  
ALTER TABLE students  
ENAME COLUMN phone\_number TO mobile\_number;

- 8. ALTER TABLE: Drop a column (use carefully)  
ALTER TABLE students  
DROP COLUMN date\_of\_birth;  
ELECT \* FROM students;

name	email	age	mobile_number
rohit	rohit@gmail.com	20	NULL
nata	sonata@gmail.com	21	NULL
jude	claude@gmail.com	19	NULL
		NULL	NULL

Filter Rows:

Edit:     Export/Im

Result Grid Form Editor

Apply Revert Con

Message Error Code: 1060. Duplicate column name

03:10 ALTER TABLE students RENAME COLUMN phone\_number TO mobile\_number

09:41 ALTER TABLE students DROP COLUMN date\_of\_birth; 0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0

10:03 SELECT \* FROM students LIMIT 0, 1000 3 row(s) returned

It Grid



Filter Rows:

Edit



Export/Imp

<u>ID</u>	<u>Name</u>	<u>Email</u>	<u>Age</u>	<u>Date of Birth</u>
	Rohit	rohit@gmail.com	20	2004-05-10
	Sonata	sonata@gmail.com	21	2003-08-15
	claude	claude@gmail.com	19	2005-01-22
NULL	NULL	NULL	NULL	NULL



Result  
Grid



## Form Editor



Field  
Topics

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## Apply

Revert

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## Action Output

	Time	Action
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## Message

13 17:48:59 INSERT INTO students (id, name, email, age, date) ... 3 row(s) affected Records: 3 Duplicates

14 17:52:23 INSERT INTO students VALUES [1, 'Test User', '... Error Code: 1062. Duplicate entry '1' for

15 17:52:45 INSERT INTO students VALUES (5, NULL, 'null-n... Error Code: 1048. Column 'name' cannot

16 17:53:27 INSERT INTO students VALUES (5, NULL, 'null p... Error Code: 1048 Column 'name' cannot

17 17:53:32 SELECT \* FROM students LIMIT 0, 1000 3 row(s) returned

```
25      -- 4. Try inserting INVALID data (will fail)
26
27      -- Duplicate PRIMARY KEY (id)
28 •   INSERT INTO students VALUES (1, 'Test User', 'rohit@gmail.com',
29
30      -- Duplicate UNIQUE email
31 •   INSERT INTO students VALUES (4, 'Test User', 'sonata@gmail.com');
32
33      -- NULL in NOT NULL column
34 •   INSERT INTO students VALUES (5, NULL, 'null.name@gmail.com', 20,
35
36      -- 5. Verify current data
37 •   SELECT * FROM students;
38
```

Context Help

Output

Action Output

#	Time	Action	Message
11	17:48:19	DROP TABLE IF EXISTS students	0 row(s) affected
12	17:48:27	CREATE TABLE students ( id INT PRIMARY K...	0 row(s) affected
13	17:48:59	INSERT INTO students (id, name, email, age, dat...	3 row(s) affected Records: 3 Duplicates: 0 W