

# Smart Bridge Externship Programme - Spring Boot Assessment 2

Dev Abhiram  
20MIC0112  
VIT Vellore

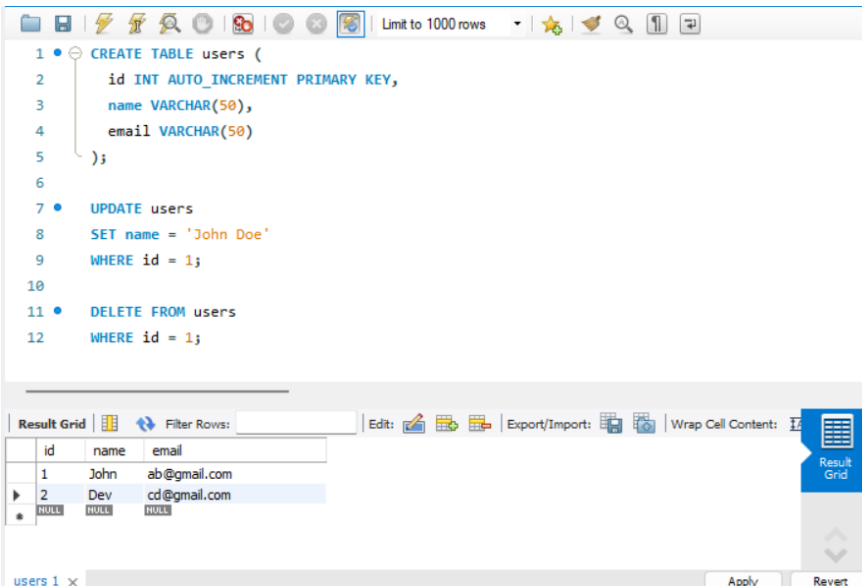
[devabhiram.sangam2020@vitstudent.ac.in](mailto:devabhiram.sangam2020@vitstudent.ac.in)

## 1. CREATE, UPDATE and DELETE commands in mySQL

```
CREATE TABLE users (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(50),  
    email VARCHAR(50)  
);
```

```
UPDATE users  
SET name = 'John Doe'  
WHERE id = 1;
```

```
DELETE FROM users  
WHERE id = 1;
```



The screenshot shows a MySQL IDE interface. The top toolbar includes icons for file operations, execution, and search. Below the toolbar, a list of SQL queries is displayed, numbered 1 through 12. The first query is a CREATE TABLE statement for a table named 'users' with columns 'id' (INT AUTO\_INCREMENT PRIMARY KEY), 'name' (VARCHAR(50)), and 'email' (VARCHAR(50)). The second query is an UPDATE statement setting 'name' to 'John Doe' for 'id' = 1. The third query is a DELETE statement deleting the row where 'id' = 1. Below the queries, a 'Result Grid' is visible, showing a table with columns 'id', 'name', and 'email'. The table contains two rows: (1, John, ab@gmail.com) and (2, Dev, cd@gmail.com). The second row is highlighted. The bottom status bar shows 'users 1 x' and buttons for 'Apply' and 'Revert'.

```
1 • CREATE TABLE users (  
2     id INT AUTO_INCREMENT PRIMARY KEY,  
3     name VARCHAR(50),  
4     email VARCHAR(50)  
5 );  
6  
7 • UPDATE users  
8 SET name = 'John Doe'  
9 WHERE id = 1;  
10  
11 • DELETE FROM users  
12 WHERE id = 1;
```

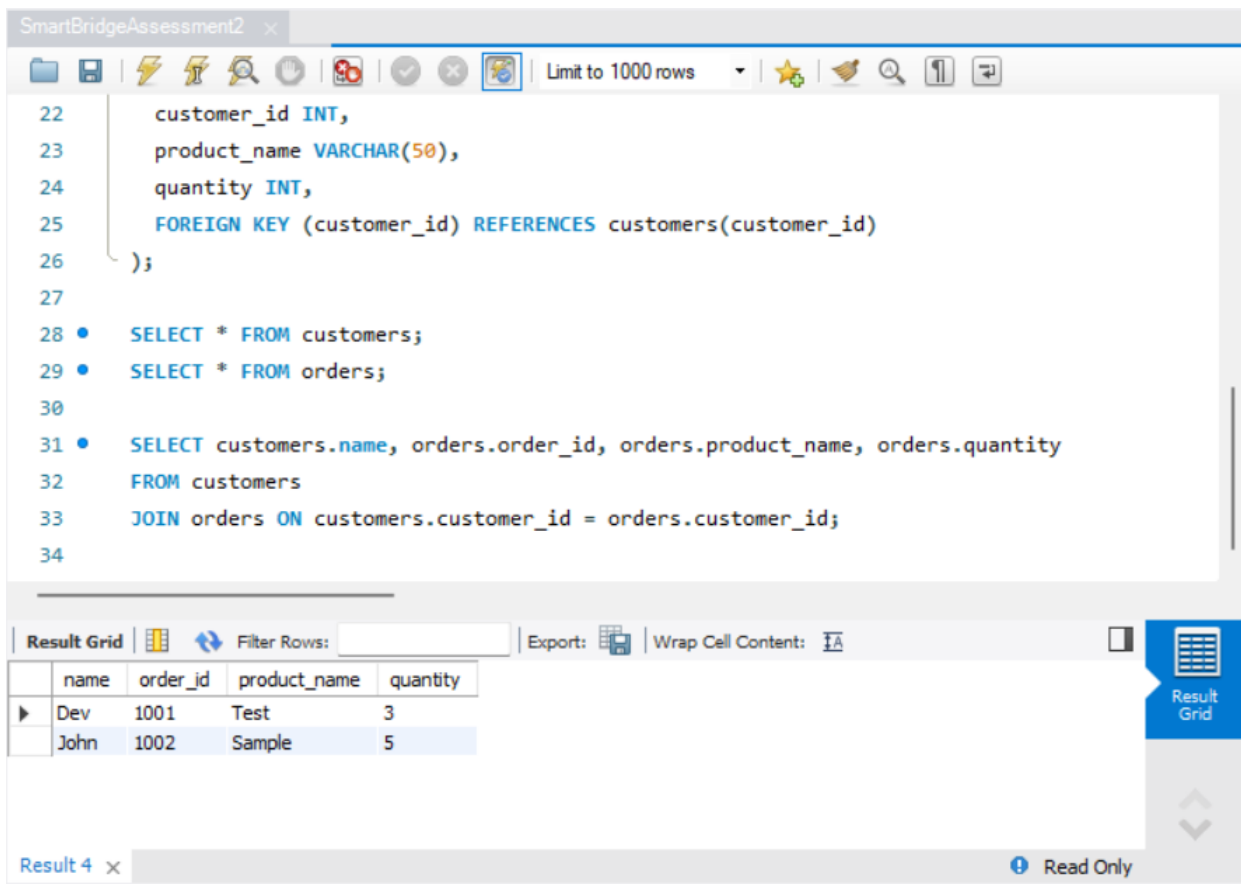
id	name	email
1	John	ab@gmail.com
2	Dev	cd@gmail.com

## 2. JOIN in mySQL

Let's create 2 tables -

```
CREATE TABLE customers (  
    customer_id INT PRIMARY KEY,  
    name VARCHAR(50),  
    email VARCHAR(50)  
);
```

```
CREATE TABLE orders (  
    order_id INT PRIMARY KEY,  
    customer_id INT,  
    product_name VARCHAR(50),  
    quantity INT,  
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
);
```



The screenshot shows a MySQL IDE window titled "SmartBridgeAssessment2". The SQL editor contains the following queries:

```
22     customer_id INT,  
23     product_name VARCHAR(50),  
24     quantity INT,  
25     FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
26 );  
27  
28 • SELECT * FROM customers;  
29 • SELECT * FROM orders;  
30  
31 • SELECT customers.name, orders.order_id, orders.product_name, orders.quantity  
32 FROM customers  
33 JOIN orders ON customers.customer_id = orders.customer_id;  
34
```

The "Result Grid" at the bottom shows the results of the queries. The first two queries return all rows from the "customers" and "orders" tables respectively. The third query returns a join of the two tables.

	name	order_id	product_name	quantity
▶	Dev	1001	Test	3
	John	1002	Sample	5

The IDE also shows a "Result 4" tab at the bottom left and a "Read Only" status at the bottom right.

## 2. CREATE, UPDATE and DELETE command in MongoDB

Create Command:

```
db.users.insertOne({  
  name: "John Doe",  
  email: "johndoe@example.com"  
});
```

Update Command:

```
db.users.updateOne(  
  { name: "John Doe" },  
  { $set: { email: "newemail@example.com" } }  
);
```

Delete Command:

```
db.users.deleteOne({ name: "John Doe" });
```