

```
#CREATE DATABASE stor;
DROP TABLE IF EXISTS order_products;
DROP TABLE IF EXISTS customer_order;
DROP TABLE IF EXISTS products;
DROP TABLE IF EXISTS user;
DROP TABLE IF EXISTS countries;
```

```
DROP DATABASE IF EXISTS stor;
CREATE DATABASE stor;
```

```
CREATE TABLE countries (
  code INT PRIMARY KEY,
  name VARCHAR(20) UNIQUE not null ,
  continent_name VARCHAR(20) UNIQUE not null
);
```

```
CREATE TABLE user (
  id INT PRIMARY KEY,
  full_name VARCHAR(20),
  email VARCHAR(20) UNIQUE,
  gender CHAR(1) CHECK (gender IN ('M', 'F')),
  dob VARCHAR(15),
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
  country_code INT,
  FOREIGN KEY (country_code) REFERENCES countries(code)
);
```

```
CREATE TABLE customer_order (
  id INT PRIMARY KEY,
  user_id INT,
  status VARCHAR(6) check ( status='start'or status='finish' ),
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
  FOREIGN KEY (user_id) REFERENCES user(id)
);
```

```
CREATE TABLE products (
  id INT PRIMARY KEY,
  name VARCHAR(10)not null ,
```

```
price DOUBLE default 0,  
status VARCHAR(10) check ( status='valid'or status='expired' ),  
created_at datetime DEFAULT CURRENT_TIMESTAMP  
);
```

```
CREATE TABLE order_products (  
    order_id INT,  
    product_id INT,  
    quantity INT default 0,  
    FOREIGN KEY (order_id) REFERENCES customer_order(id),  
    FOREIGN KEY (product_id) REFERENCES products(id)  
);
```

```
INSERT INTO countries VALUES (1, 'Saudi Arabia', 'Asia');  
INSERT INTO countries VALUES (2, 'United States', 'North America');  
INSERT INTO countries VALUES (3, 'Germany', 'Europe');
```

```
INSERT INTO user VALUES (1, 'Saleh Al-Farsi', 'saleh@example.com', 'M', '1980-01-01',  
'2024-12-12 00:00:00', 1);  
INSERT INTO user VALUES (2, 'Laila Al-Saud', 'laila@example.com', 'F', '1995-05-15', '2025-  
01-12 00:00:00', 1);  
INSERT INTO user VALUES (3, 'Ahmed Al-Jasser', 'ahmed@example.com', 'M', '1990-03-20',  
'2024-12-30 00:00:00', 1);
```

```
INSERT INTO customer_order VALUES (1, 1, 'start', '2024-12-11 00:00:00');  
INSERT INTO customer_order VALUES (2, 2, 'finish', '2024-12-25 00:00:00');  
INSERT INTO customer_order VALUES (3, 3, 'start', '2025-01-15 00:00:00');
```

```
INSERT INTO products VALUES (1, 'Laptop', 1500.00, 'valid', '2024-12-12 00:00:00');  
INSERT INTO products VALUES (2, 'Smartphone', 800.00, 'valid', '2025-03-20 00:00:00');  
INSERT INTO products VALUES (3, 'Headphones', 100.00, 'valid', '2025-12-03 00:00:00');
```

```
INSERT INTO order_products VALUES (1, 1, 2);  
INSERT INTO order_products VALUES (2, 2, 1);  
INSERT INTO order_products VALUES (3, 3, 3);
```

# 1. Add a new row to the countries table

```
INSERT INTO countries VALUES (4, 'Australia', 'Oceania');
```

# 2. Add a new row to the users table

```
INSERT INTO user VALUES (4, 'Sara Al-Mansour', 'sara@example.com', 'F', '1992-07-25',  
NULL, 1);
```

# 3. Add a new row to the orders table

```
INSERT INTO customer_order VALUES (4, 4, 'start', NULL);
```

# 4. Add a new row to the products table

```
INSERT INTO products VALUES (4, 'Tablet', 500.00, 'valid', NULL);
```

# 5. Add a new row to the order\_products table

```
INSERT INTO order_products VALUES (4, 4, 1);
```

# 6. Update a row from the countries table

```
UPDATE countries
```

```
SET name = 'Saudi Arabia', continent_name = 'Asia'
```

```
WHERE code = 1;
```

# 7. Delete a row from the products table

```
DELETE FROM products
```

```
WHERE id = 3;
```

```
1 CREATE DATABASE stor;
2
3 CREATE TABLE countries (
4     code INT PRIMARY KEY,
5     name VARCHAR(20) UNIQUE not null ,
6     continent_name VARCHAR(20) UNIQUE not null
7 );
8
9 CREATE TABLE user (
10     id INT PRIMARY KEY,
11     full_name VARCHAR(20),
12     email VARCHAR(20) UNIQUE,
13     gender CHAR(1) CHECK (gender IN ('M', 'F')),
14     dob VARCHAR(15),
15     created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
16     country_code INT,
17     FOREIGN KEY (country_code) REFERENCES countries(code)
18 );
19
20 CREATE TABLE customer_order (
21     id INT PRIMARY KEY,
22     user_id INT,
23     status VARCHAR(6) check ( status='start'or status='finish' ),
24     created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
25     FOREIGN KEY (user_id) REFERENCES user(id)
26 );
27
28 CREATE TABLE products (
29     id INT PRIMARY KEY,
30     name VARCHAR(10)not null ,
31     price DOUBLE default 0,
32     status VARCHAR(10) check ( status='valid'or status='expired' ),
33     created_at datetime DEFAULT CURRENT_TIMESTAMP
34 );
35
[23000][1451] Cannot delete or update a parent row: a foreign key constraint fails
base Consoles > @localhost > console
```

```
> CREATE DATABASE stor
[2024-11-27 18:54:56] 1 row affected in 4 ms
> use stor
[2024-11-27 18:54:59] completed in 2 ms
stor> CREATE TABLE countries (
    code INT PRIMARY KEY,
    name VARCHAR(20) UNIQUE not null ,
    continent_name VARCHAR(20) UNIQUE not null
)
[2024-11-27 18:55:09] completed in 16 ms
stor> CREATE TABLE user (
    id INT PRIMARY KEY,
    full_name VARCHAR(20),
    email VARCHAR(20) UNIQUE,
    gender CHAR(1) CHECK (gender IN ('M', 'F')),
    dob VARCHAR(15),
    created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
    country_code INT,
    FOREIGN KEY (country_code) REFERENCES countries(code)
)
[2024-11-27 18:55:09] completed in 11 ms
stor> CREATE TABLE customer_order (
    id INT PRIMARY KEY,
    user_id INT,
    status VARCHAR(6) check ( status='start'or
status='finish' ),
    created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES user(id)
)
[2024-11-27 18:55:09] completed in 13 ms
stor> CREATE TABLE products (
    id INT PRIMARY KEY,
    name VARCHAR(10)not null ,
    price DOUBLE default 0,
    status VARCHAR(10) check ( status='valid'or
status VARCHAR(10) check ( status='valid'or
```

```
36 CREATE TABLE order_products (
37     order_id INT,
38     product_id INT,
39     quantity INT default 0,
40     FOREIGN KEY (order_id) REFERENCES customer_order(id),
41     FOREIGN KEY (product_id) REFERENCES products(id)
42 );
43
44 INSERT INTO countries VALUES ( code 1, name 'Saudi Arabia', continent_name 'Asia');
45 INSERT INTO countries VALUES ( code 2, name 'United States', continent_name 'North America');
46 INSERT INTO countries VALUES ( code 3, name 'Germany', continent_name 'Europe');
47
48 INSERT INTO user VALUES ( id 1, full_name 'Saleh AL-Farsi', email 'saleh@example.com',
49     gender 'M', dob '1980-01-01', created_at '2024-12-12', country_code 1);
50 INSERT INTO user VALUES ( id 2, full_name 'Laila AL-Saud', email 'laila@example.com',
51     gender 'F', dob '1995-05-15', created_at '2025-01-12', country_code 1);
52 INSERT INTO user VALUES ( id 3, full_name 'Ahmed AL-Jasser', email 'ahmed@example.com',
53     gender 'M', dob '1990-03-20', created_at '2024-12-30', country_code 1);
54
55 INSERT INTO customer_order VALUES ( id 1, user_id 1, status 'start',
56     created_at '2024-12-11');
57 INSERT INTO customer_order VALUES ( id 2, user_id 2, status 'finish',
58     created_at '2024-12-25 ');
59 INSERT INTO customer_order VALUES ( id 3, user_id 3, status 'start',
60     created_at '2025-01-15');
61
62 INSERT INTO products VALUES ( id 1, name 'Laptop', price 1500.00, status 'valid',
63     created_at '2024-12-12');
64 INSERT INTO products VALUES ( id 2, name 'Smartphone', price 800.00, status 'valid',
65     created_at '2025-03-20');
66 INSERT INTO products VALUES ( id 3, name 'Headphones', price 100.00, status 'valid',
67     created_at '2025-12-03');
68
69 INSERT INTO order_products VALUES ( order_id 1, product_id 1, quantity 2);
[23000][1451] Cannot delete or update a parent row: a foreign key constraint fails
base Consoles > @localhost > console
```

```
stor> CREATE TABLE order_products (
    order_id INT,
    product_id INT,
    quantity INT default 0,
    FOREIGN KEY (order_id) REFERENCES customer_order(id),
    FOREIGN KEY (product_id) REFERENCES products(id)
)
[2024-11-27 18:55:09] completed in 9 ms
stor> INSERT INTO countries VALUES (1, 'Saudi Arabia', 'Asia')
[2024-11-27 18:55:09] 1 row affected in 6 ms
stor> INSERT INTO countries VALUES (2, 'United States', 'North
America')
[2024-11-27 18:55:09] 1 row affected in 6 ms
stor> INSERT INTO countries VALUES (3, 'Germany', 'Europe')
[2024-11-27 18:55:09] 1 row affected in 4 ms
stor> INSERT INTO user VALUES (1, 'Saleh AL-Farsi',
'saleh@example.com',
'M', '1980-01-01', '2024-12-12',
1)
[2024-11-27 18:55:10] 1 row affected in 9 ms
stor> INSERT INTO user VALUES (2, 'Laila AL-Saud',
'laila@example.com',
'F', '1995-05-15', '2025-01-12',
1)
[2024-11-27 18:55:10] 1 row affected in 6 ms
stor> INSERT INTO user VALUES (3, 'Ahmed AL-Jasser',
'ahmed@example.com',
'M', '1990-03-20', '2024-12-30',
1)
[2024-11-27 18:55:10] 1 row affected in 5 ms
stor> INSERT INTO customer_order VALUES (1, 1, 'start',
'2024-12-11')
[2024-11-27 18:55:10] 1 row affected in 7 ms
stor> INSERT INTO customer_order VALUES (2, 2, 'finish',
'2024-12-25 ')
```

```
console
Tx: Auto | Playground
69 ✓ INSERT INTO order_products VALUES (order_id 1, product_id 1, quantity 2);
70 ✓ INSERT INTO order_products VALUES (order_id 2, product_id 2, quantity 1);
71 ✓ INSERT INTO order_products VALUES (order_id 3, product_id 3, quantity 3);
72
73
74
75 # 1. Add a new row to the countries table
76 ✓ INSERT INTO countries VALUES (code 4, name 'Australia',
77                                continent_name 'Oceania');
78
79 # 2. Add a new row to the users table
80 ✓ INSERT INTO user VALUES (id 4, full_name 'Sara Al-Mansour', email 'sara@example.com',
81                             gender 'F', dob '1992-07-25', created_at NULL, country_code 1);
82
83 # 3. Add a new row to the orders table
84 ✓ INSERT INTO customer_order VALUES (id 4, user_id 4, status 'start', created_at NULL);
85
86 # 4. Add a new row to the products table
87 ✓ INSERT INTO products VALUES (id 4, name 'Tablet', price 500.00,
88                                status 'valid', created_at NULL);
89
90 # 5. Add a new row to the order_products table
91 ✓ INSERT INTO order_products VALUES (order_id 4, product_id 4, quantity 1);
92
93 # 6. Update a row from the countries table
94 ✓ UPDATE countries
95 SET name = 'Saudi Arabia', continent_name = 'Asia'
96 WHERE code = 1;
97
98 # 7. Delete a row from the products table
99 ✗ DELETE FROM products WHERE id = 3;

[23000][145] Cannot delete or update a parent row: a foreign key constraint fails
('stor', 'order_products', CONSTRAINT 'order_products_ibfk_2' FOREIGN KEY ('product_id')
REFERENCES 'products' ('id'))
Explain with AI Fix with AI

Services
Tx: stor
Database
stor> INSERT INTO products VALUES (3, 'Headphones', 100.00,
'valid',
'2025-12-03')
[2024-11-27 18:55:10] 1 row affected in 2 ms
stor> INSERT INTO order_products VALUES (1, 1, 2)
[2024-11-27 18:55:10] 1 row affected in 3 ms
stor> INSERT INTO order_products VALUES (2, 2, 1)
[2024-11-27 18:55:10] 1 row affected in 3 ms
stor> INSERT INTO order_products VALUES (3, 3, 3)
[2024-11-27 18:55:10] 1 row affected in 3 ms
stor> INSERT INTO countries VALUES (4, 'Australia',
'Oceania')
[2024-11-27 18:55:10] 1 row affected in 4 ms
stor> INSERT INTO user VALUES (4, 'Sara Al-Mansour',
'sara@example.com',
'F', '1992-07-25', NULL, 1)
[2024-11-27 18:55:10] 1 row affected in 2 ms
stor> INSERT INTO customer_order VALUES (4, 4, 'start', NULL)
[2024-11-27 18:55:10] 1 row affected in 2 ms
stor> INSERT INTO products VALUES (4, 'Tablet', 500.00,
'valid', NULL)
[2024-11-27 18:55:10] 1 row affected in 2 ms
stor> INSERT INTO order_products VALUES (4, 4, 1)
[2024-11-27 18:55:10] 1 row affected in 3 ms
stor> UPDATE countries
SET name = 'Saudi Arabia', continent_name = 'Asia'
WHERE code = 1
[2024-11-27 18:55:10] 1 row affected in 2 ms
stor> DELETE FROM products WHERE id = 3
[2024-11-27 18:55:10] [23000][145] Cannot delete or update a
parent row: a foreign key constraint fails ('stor'
.'order_products', CONSTRAINT 'order_products_ibfk_2' FOREIGN
KEY ('product_id') REFERENCES 'products' ('id'))

base Consoles > @localhost > console
21:24 CRLF UTF-8 4 spaces
```