

```
USE store;

CREATE TABLE countries (
  code INT PRIMARY KEY,
  name VARCHAR(20),
  continent_name VARCHAR(20)
);

CREATE TABLE users (
  id INT PRIMARY KEY,
  full_name VARCHAR(20),
  email VARCHAR(20),
  gender CHAR(1),
  date_of_birth VARCHAR(15),
  created_at DATETIME,
  country_code INT, FOREIGN KEY (country_code) REFERENCES
countries (code)
);

CREATE TABLE orders (
  id INT PRIMARY KEY,
  user_id INT,
  status VARCHAR(6),
  created_at DATETIME,
  FOREIGN KEY (user_id) REFERENCES users(id)
);

CREATE TABLE products (
  id INT PRIMARY KEY,
  name VARCHAR(10),
  price INT,
  status VARCHAR(10),
  created_at DATETIME
);

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

```
ALTER TABLE countries
ADD UNIQUE (name);

ALTER TABLE countries
MODIFY continent_name VARCHAR(20) NOT NULL;

ALTER TABLE users
ADD CONSTRAINT unique_email UNIQUE (email);

ALTER TABLE users
ADD CONSTRAINT check_gender CHECK (gender IN ('m', 'f'));

ALTER TABLE orders
ADD CONSTRAINT check_status CHECK (status IN ('start',
'finish'));

ALTER TABLE order_products
ALTER COLUMN quantity SET DEFAULT 0;

ALTER TABLE products
ALTER COLUMN price SET DEFAULT 0;

ALTER TABLE products
MODIFY name VARCHAR(10) NOT NULL;

ALTER TABLE products
ADD CONSTRAINT check_status2 CHECK (status IN ('valid',
'expired'));

ALTER TABLE products
MODIFY created_at DATETIME DEFAULT CURRENT_TIMESTAMP;

INSERT INTO countries (code, name, continent_name)
VALUES (1, 'SA', 'Riyadh');
```

```
INSERT INTO users (id, full_name, email, gender,
date_of_birth, created_at, country_code)
VALUES (1, 'Mariam', 'm@gmail.com', 'f', '2000-01-01',
'2023-08-13 ', 1);
```

```
INSERT INTO orders (id, user_id, status, created_at)
VALUES (1, 1, 'start', '2023-08-13');
```

```
INSERT INTO products (id, name, price, status,
created_at)
VALUES (1, 'Candy', 10, 'valid', '2023-08-13');
```

```
INSERT INTO products (id, name, price, status,
created_at)
VALUES (2, 'Chips', 10, 'valid', NOW());
```

```
INSERT INTO order_products (order_id, product_id,
quantity)
VALUES (1, 1, 2);
```

```
UPDATE countries
SET name = 'UAE', continent_name = 'Dubai'
WHERE code = 1;
```

```
DELETE FROM order_products
WHERE product_id = 1;
```

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