

```
create database store;
```

```
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 DEFAULT 0,  
  PRIMARY KEY (order_id, product_id),  
  FOREIGN KEY (order_id) REFERENCES orders(id),  
  FOREIGN KEY (product_id) REFERENCES products(id)  
);
```

```

ALTER TABLE countries MODIFY name varchar(20 ) UNIQUE ;
ALTER TABLE countries MODIFY continent_name VARCHAR(20) NOT NULL ;
ALTER TABLE users MODIFY email VARCHAR(20) UNIQUE ;
ALTER TABLE users ADD CONSTRAINT check_gender CHECK ( gender IN ('M', 'F', 'm', 'f') );

ALTER TABLE orders ADD CONSTRAINT check_order_status CHECK ( status IN ('start','Start' ,
'finish', 'Finish') );

ALTER TABLE order_products MODIFY quantity INT DEFAULT 0;
ALTER TABLE products MODIFY price INT DEFAULT 0;
ALTER TABLE products MODIFY name VARCHAR(10) NOT NULL ;

ALTER TABLE products ADD CONSTRAINT chek_product_status CHECK ( status IN ('valid','Valid' ,
'expired', 'Expired') );

ALTER TABLE products MODIFY created_at DATETIME DEFAULT CURRENT_TIMESTAMP;

INSERT INTO countries (code, name, continent_name)VALUES (966 , 'Saudi', 'Asia');
INSERT INTO countries (code, name, continent_name)VALUES (977 , 'Qatar', 'Asia');
INSERT INTO countries (code, name, continent_name)VALUES (999 , 'Egypt', 'Africa');
INSERT INTO countries (code, name, continent_name)VALUES (955 , 'Morocco', 'Africa');
INSERT INTO countries (code, name, continent_name)VALUES (922 , 'France', 'Europe');
INSERT INTO countries (code, name, continent_name)VALUES (933 , 'England', 'Europe');

INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (1, 'Anwaar', 'Anwaar@gmail.com', 'f', '2002-04-22', NOW(), 966);
INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (2, 'Asrar', 'Asrar@gmail.com', 'f', '2002-04-22', NOW(), 977);
INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (3, 'Alaa', 'Alaa@gmail.com', 'f', '1997-07-09', NOW(), 999);
INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (4, 'Reham', 'Reham@gmail.com', 'f', '1998-01-22', NOW(), 955);
INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (5, 'Refal', 'Refal@gmail.com', 'f', '2004-05-01', NOW(), 922);
INSERT INTO users (id, full_name, email, gender, date_of_birth, created_at,
country_code)VALUES (6, 'Noran', 'Noran@gmail.com', 'f', '2008-10-20', NOW(), 933);

INSERT INTO orders (id, user_id, status, created_at)VALUES (1, 1, 'start', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (2, 2, 'finish', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (3, 3, 'start', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (4, 4, 'finish', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (5, 5, 'start', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (6, 6, 'finish', NOW());

INSERT INTO products (id, name, price, status, created_at)VALUES (10001, 'Iphone16', 3600,
'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (20002, 'Macbook', 4900,
'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (30003, 'Keyboard', 200,
'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (40004, 'Nokia', 380,
'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (50005, 'GalaxyS9', 4700,
'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (60006, 'AppleWatch', 1500,
'valid', NOW());

INSERT INTO order_products (order_id, product_id, quantity)VALUES (1, 10001, 1);

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INSERT INTO order_products (order_id, product_id, quantity)VALUES (2, 20002, 2);
INSERT INTO order_products (order_id, product_id, quantity)VALUES (3, 30003, 3);
INSERT INTO order_products (order_id, product_id, quantity)VALUES (4, 40004, 4);
INSERT INTO order_products (order_id, product_id, quantity)VALUES (5, 50005, 5);
INSERT INTO order_products (order_id, product_id, quantity)VALUES (6, 60006, 6);
```

```
UPDATE countries set name = 'KSA ' WHERE code = 966 ;
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DELETE FROM order_products WHERE product_id = 40004;
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DELETE FROM products where name = 'Nokia' ;
```

```
drop database store;
```

WHERE







ORDER BY







	id	full_name	email	gender	date_of_birth	created_at	country_code
1	1	id: int(11)	Anwaar@gmail.com	f	2002-04-22	2025-11-20 14:15:44	966
2	2	Asrar	Asrar@gmail.com	f	2002-04-22	2025-11-20 14:15:44	977
3	3	Alaa	Alaa@gmail.com	f	1997-07-09	2025-11-20 14:15:44	999
4	4	Reham	Reham@gmail.com	f	1998-01-22	2025-11-20 14:15:44	955
5	5	Refal	Refal@gmail.com	f	2004-05-01	2025-11-20 14:15:44	922
6	6	Noran	Noran@gmail.com	f	2008-10-20	2025-11-20 14:15:44	933

6 rows

	id	name	price	status	created_at
1	10001	Iphone16	3600	valid	2025-11-20 14:15:51
2	20002	Macbook	4900	valid	2025-11-20 14:15:51
3	30003	Keyboard	200	valid	2025-11-20 14:15:51
4	50005	GalaxyS9	4700	valid	2025-11-20 14:15:51
5	60006	AppleWatch	1500	valid	2025-11-20 14:15:51

	id	user_id	status	created_at
1	1	1	start	2025-11-20 14:15:48
2	2	2	finish	2025-11-20 14:15:48
3	3	3	start	2025-11-20 14:15:48
4	4	4	finish	2025-11-20 14:15:48
5	5	5	start	2025-11-20 14:15:48
6	6	6	finish	2025-11-20 14:15:48

	 order_id 	 product_id 	 quantity 
1	1	10001	1
2	2	20002	2
3	3	30003	3
4	5	50005	5
5	6	60006	6

	 code 	 name 	 continent_name 
1	922	France	Europe
2	933	England	Europe
3	955	Morocco	Africa
4	966	KSA	Asia
5	977	Qatar	Asia
6	999	Egypt	Africa

