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```
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') );
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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 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 orders (id, user_id, status, created_at)VALUES (1, 1, 'start', NOW());
INSERT INTO orders (id, user_id, status, created_at)VALUES (2002, 22, 'start', NOW());

INSERT INTO products (id, name, price, status, created_at)VALUES (0001, 'Iphone16', 3600, 'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (0002, 'Macbook', 4900, 'valid', NOW());
INSERT INTO products (id, name, price, status, created_at)VALUES (0003, 'Keyboard', 200, 'valid', NOW());

INSERT INTO order_products (order_id, product_id, quantity)VALUES (1, 0001, 1);
INSERT INTO order_products (order_id, product_id, quantity)VALUES (2002, 0002, 2);

UPDATE countries set name = 'kingdom of saudi arabia ' WHERE code = 966 ;
DELETE FROM orders WHERE id = 2002;
DELETE FROM countries where code = 99 ;
```

WHERE ORDER BY

	code	name	continent_name
1	966	Saudi	Asia
2	977	Qatar	Asia

WHERE ORDER BY

	order_id	product_id	quantity
1		1	1
2		2002	2

WHERE ORDER BY

	id	user_id	status	created_at
1		1	1 start	2025-11-19 22:26:38
2		2002	22 start	2025-11-19 22:12:51

WHERE ORDER BY

	<input type="checkbox"/> id ↴	<input type="checkbox"/> name ↴	<input type="checkbox"/> price ↴	<input type="checkbox"/> status ↴	<input type="checkbox"/> created_at ↴
1		1 Iphone16		3600 valid	2025-11-19 22:26:12
2		2 Macbook		4900 valid	2025-11-19 22:12:44
3		3 Keyboard		200 valid	2025-11-20 06:55:54

WHERE ORDER BY

	<input type="checkbox"/> id ↴	<input type="checkbox"/> full_name ↴	<input type="checkbox"/> email ↴	<input type="checkbox"/> gender ↴	<input type="checkbox"/> date_of_birth ↴	<input type="checkbox"/> created_at ↴	<input type="checkbox"/> country_code ↴
1		1 Anwaar	Anwaar@gmail.com	f	2002-04-22	2025-11-19 22:24:57	966
2		2 Asrar	asrar@gmail.com	f	2002-04-22	2025-11-19 22:16:10	977