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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)
);
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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 ;
DELETE FROM order_products WHERE product_id = 40004;
DELETE FROM products where name = 'Nokia' ;

drop database store;
```

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	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

	<input type="checkbox"/> id	<input type="checkbox"/> name	<input type="checkbox"/> price	<input type="checkbox"/> status	<input type="checkbox"/> 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

	<input type="checkbox"/> id	<input type="checkbox"/> user_id	<input type="checkbox"/> status	<input type="checkbox"/> 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

