





```
CREATE DATABASE BeautyBay;

USE BeautyBay;

CREATE TABLE users (
    user_id VARCHAR(50) PRIMARY KEY,
    email VARCHAR(100),
    password VARCHAR(255)
);

CREATE TABLE customers (
    customer_id VARCHAR(50) PRIMARY KEY,
    user_id VARCHAR(50),
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    phone_number VARCHAR(20),
    birth_date DATE,
    gender CHAR(1),
    FOREIGN KEY (user_id) REFERENCES users(user_id)
);

CREATE TABLE addresses (
    address_id VARCHAR(50) PRIMARY KEY,
    customer_id VARCHAR(50),
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    country VARCHAR(50),
    region VARCHAR(50),
    city VARCHAR(50),
    street VARCHAR(100),
    home_type VARCHAR(20),
    home_number VARCHAR(20),
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
);

CREATE TABLE payment_details (
    card_id VARCHAR(50) PRIMARY KEY,
    customer_id VARCHAR(50),
    card_type VARCHAR(20),
    expiry_date VARCHAR(10),
    card_name VARCHAR(50),
    security_code VARCHAR(10),
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
);

CREATE TABLE companies (
    company_id VARCHAR(50) PRIMARY KEY,
    company_name VARCHAR(100),
    category VARCHAR(50)
);

CREATE TABLE products (
    product_id VARCHAR(50) PRIMARY KEY,
    company_id VARCHAR(50),
    product_name VARCHAR(100),
    category VARCHAR(50),
    price INT,
    component VARCHAR(100),
    description VARCHAR(255),
    instructions VARCHAR(255),
    FOREIGN KEY (company_id) REFERENCES companies(company_id)
);

CREATE TABLE orders (
```

```

        order_id INT PRIMARY KEY,
        customer_id VARCHAR(50),
        address_id VARCHAR(50),
        card_id VARCHAR(50),
        order_date DATETIME,
        total_price INT,
        FOREIGN KEY (customer_id) REFERENCES customers(customer_id),
        FOREIGN KEY (address_id) REFERENCES addresses(address_id),
        FOREIGN KEY (card_id) REFERENCES payment_details(card_id)
);

CREATE TABLE order_items (
        order_id INT,
        product_id VARCHAR(50),
        quantity INT DEFAULT 0,
        PRIMARY KEY (order_id, product_id),
        FOREIGN KEY (order_id) REFERENCES orders(order_id),
        FOREIGN KEY (product_id) REFERENCES products(product_id)
);

ALTER TABLE users MODIFY email VARCHAR(100) UNIQUE;
ALTER TABLE customers ADD CONSTRAINT check_gender CHECK ( gender IN ('M','F','m','f') );
ALTER TABLE order_items MODIFY quantity INT DEFAULT 0;
ALTER TABLE products MODIFY price INT DEFAULT 0;
ALTER TABLE products MODIFY product_name VARCHAR(100) NOT NULL;

INSERT INTO users VALUES ('U1', 'anwaar@gmail.com', 'Anwaar123!');
INSERT INTO users VALUES ('U2', 'asrar@gmail.com', 'Asrar123!');
INSERT INTO users VALUES ('U3', 'alaa@gmail.com', 'Alaa123!');
INSERT INTO users VALUES ('U4', 'Reham@gmail.com', 'Reham123!');
INSERT INTO users VALUES ('U5', 'Refal@gmail.com', 'Refal123!');
INSERT INTO users VALUES ('U6', 'Noran@gmail.com', 'Noran123!');
INSERT INTO users VALUES ('U7', 'Lama@gmail.com', 'Lama123!');
INSERT INTO users VALUES ('U8', 'Jenaan@gmail.com', 'Jenaan123!');

INSERT INTO customers VALUES ('C1', 'U1', 'Anwaar', 'Fallatah', '0551234', '2002-04-22', 'F');
INSERT INTO customers VALUES ('C2', 'U2', 'Asrar', 'Fallatah', '0555678', '2002-04-22', 'F');
INSERT INTO customers VALUES ('C3', 'U3', 'Alaa', 'Fallatah', '0509988', '1997-07-09', 'F');
INSERT INTO customers VALUES ('C4', 'U4', 'Reham', 'Fallatah', '0559022', '1999-01-11', 'F');
INSERT INTO customers VALUES ('C5', 'U5', 'Refal', 'Fallatah', '0557788', '2005-06-10', 'F');
INSERT INTO customers VALUES ('C6', 'U6', 'Noran', 'Fallatah', '0532211', '1995-02-18', 'F');
INSERT INTO customers VALUES ('C7', 'U7', 'Lama', 'Fallatah', '0543399', '1990-09-23', 'F');
INSERT INTO customers VALUES ('C8', 'U8', 'Jenaan', 'Fallatah', '0551987', '2003-12-12', 'F');

INSERT INTO addresses VALUES ('A1', 'C1', 'Anwaar', 'Fallatah', 'Saudi', 'Madinah', 'Yanbu', 'Street 23', 'Villa', '22');
INSERT INTO addresses VALUES ('A2', 'C2', 'Asrar', 'Fallatah', 'Saudi', 'Makkah', 'Jeddah', 'AlRawdah', 'Apartment', '12');
INSERT INTO addresses VALUES ('A3', 'C3', 'Alaa', 'Fallatah', 'Saudi', 'Riyadh', 'Riyadh', 'AlMalqa', 'Villa', '19');
INSERT INTO addresses VALUES ('A4', 'C4', 'Reham', 'Fallatah', 'Saudi', 'Madinah', 'Madinah', 'Quba Road', 'Apartment', '45');
INSERT INTO addresses VALUES ('A5', 'C5', 'Refal', 'Fallatah', 'Saudi', 'Riyadh', 'Riyadh', 'Exit 9', 'Apartment', '33');
INSERT INTO addresses VALUES ('A6', 'C6', 'Noran', 'Fallatah', 'Saudi', 'Makkah', 'Jeddah', 'Hira Street', 'Villa', '10');
INSERT INTO addresses VALUES ('A7', 'C7', 'Lama', 'Fallatah', 'Saudi', 'Madinah', 'Yanbu', 'Prince Abdullah Rd', 'Villa', '88');
INSERT INTO addresses VALUES ('A8', 'C8', 'Jenaan', 'Fallatah', 'Saudi', 'Riyadh', 'Riyadh', 'Riyadh', 'Riyadh')

```

```

'King Fahd Rd', 'Apartment', '5');

INSERT INTO payment_details VALUES ('P1', 'C1', 'credit', '12/26', 'Anwaar Fallatah', '445');
INSERT INTO payment_details VALUES ('P2', 'C2', 'debit', '09/25', 'Asrar Fallatah', '221');
INSERT INTO payment_details VALUES ('P3', 'C3', 'credit', '03/27', 'Alaa Fallatah', '551');
INSERT INTO payment_details VALUES ('P4', 'C4', 'debit', '08/26', 'Reham Fallatah', '901');
INSERT INTO payment_details VALUES ('P5', 'C5', 'credit', '05/28', 'Refal Fallatah', '733');
INSERT INTO payment_details VALUES ('P6', 'C6', 'debit', '01/25', 'Noran Fallatah', '110');
INSERT INTO payment_details VALUES ('P7', 'C7', 'credit', '11/27', 'Lama Fallatah', '445');
INSERT INTO payment_details VALUES ('P8', 'C8', 'debit', '02/26', 'Jenaan Fallatah', '556');

INSERT INTO companies VALUES ('CMP1', 'Huda Beauty', 'Makeup');
INSERT INTO companies VALUES ('CMP2', 'The Ordinary', 'Skincare');
INSERT INTO companies VALUES ('CMP3', 'Fenty Beauty', 'Makeup');
INSERT INTO companies VALUES ('CMP4', 'Rare Beauty', 'Makeup');
INSERT INTO companies VALUES ('CMP5', 'Cerave', 'Skincare');
INSERT INTO companies VALUES ('CMP6', 'Laneige', 'Skincare');
INSERT INTO companies VALUES ('CMP7', 'NYX', 'Makeup');
INSERT INTO companies VALUES ('CMP8', 'Kylie Cosmetics', 'Makeup');

INSERT INTO products VALUES ('PR1', 'CMP1', 'Blush', 'Makeup', 120, 'Pigment', 'Soft matte blush', 'Apply gently');
INSERT INTO products VALUES ('PR2', 'CMP2', 'Niacinamide Serum', 'Skincare', 65, 'Niacinamide', 'Brightening serum', 'Use daily');
INSERT INTO products VALUES ('PR3', 'CMP3', 'Gloss Bomb', 'Makeup', 95, 'Shea Butter', 'Shiny lip gloss', 'Apply anytime');
INSERT INTO products VALUES ('PR4', 'CMP4', 'Soft Pinch Blush', 'Makeup', 115, 'Liquid Pigment', 'Natural blush finish', 'Blend with sponge');
INSERT INTO products VALUES ('PR5', 'CMP5', 'Moisturizing Cream', 'Skincare', 80, 'Ceramides', 'Hydrating cream', 'Use morning and night');
INSERT INTO products VALUES ('PR6', 'CMP6', 'Lip Sleeping Mask', 'Skincare', 110, 'Berry Mix', 'Hydrating lip mask', 'Apply overnight');
INSERT INTO products VALUES ('PR7', 'CMP7', 'Matte Lipstick', 'Makeup', 45, 'Matte Formula', 'Long-wear lipstick', 'Apply evenly');
INSERT INTO products VALUES ('PR8', 'CMP8', 'Kylie Highlighter', 'Makeup', 150, 'Shimmer Powder', 'Glowy highlight', 'Apply on cheekbones');

INSERT INTO orders VALUES (1, 'C1', 'A1', 'P1', NOW(), 185);
INSERT INTO orders VALUES (2, 'C2', 'A2', 'P2', NOW(), 65);
INSERT INTO orders VALUES (3, 'C3', 'A3', 'P3', NOW(), 95);
INSERT INTO orders VALUES (4, 'C4', 'A4', 'P4', NOW(), 120);
INSERT INTO orders VALUES (5, 'C5', 'A5', 'P5', NOW(), 110);
INSERT INTO orders VALUES (6, 'C6', 'A6', 'P6', NOW(), 150);
INSERT INTO orders VALUES (7, 'C7', 'A7', 'P7', NOW(), 80);
INSERT INTO orders VALUES (8, 'C8', 'A8', 'P8', NOW(), 45);

INSERT INTO order_items VALUES (1, 'PR1', 1);
INSERT INTO order_items VALUES (2, 'PR2', 1);
INSERT INTO order_items VALUES (3, 'PR3', 1);
INSERT INTO order_items VALUES (4, 'PR4', 1);
INSERT INTO order_items VALUES (5, 'PR6', 1);
INSERT INTO order_items VALUES (6, 'PR8', 1);
INSERT INTO order_items VALUES (7, 'PR5', 1);
INSERT INTO order_items VALUES (8, 'PR7', 1);

#DROP TABLE products;
ALTER TABLE users ADD last_login DATETIME;
TRUNCATE TABLE orders;
RENAME TABLE customers TO clients;
UPDATE products SET price = 199 WHERE product_id = 'PR3';

DELETE FROM users WHERE user_id = 'U2';

```


