

Superstore Sale Database

USE superstore;

1. Insert the first three records of each table using the data provided in the attached dataset.

INSERT INTO customer_addresses(postal_code, city, state, region, country) **VALUES** (42420,"Henderson", "Kentucky", "South", "United States");

INSERT INTO customer_addresses(postal_code, city, state, region, country) **VALUES** (90036,"Los Angeles", "California", "West", "United States");

INSERT INTO customers(customer_id, customer_name, segment, postal_code) **VALUES** ('CG-12520', 'Claire Gute', 'Consumer', 42420);

INSERT INTO customers(customer_id, customer_name, segment, postal_code) **VALUES** ('DV-13045', 'Darrin Van Huff', 'Corporate', 90036);

INSERT INTO orders(order_id, customer_id, order_date, ship_mode, ship_date) **VALUES** ('CA-2017-152156', 'CG-12520', '2017-08-11', 'Second Class', '2017-11-11');

INSERT INTO orders(order_id, customer_id, order_date, ship_mode, ship_date) **VALUES** ('CA-2017-138688', 'DV-13045', '2017-12-06', 'Second Class', '2017-06-16');

INSERT INTO product_categories(sub_category, category) **VALUES** ('Bookcases', 'Furniture');

INSERT INTO product_categories(sub_category, category) **VALUES** ('Chairs', 'Furniture');

INSERT INTO product_categories(sub_category, category) **VALUES** ('Labels', 'Office Supplies');

INSERT INTO product(product_id, product_name, sub_category, sales) **VALUES** ('FUR-BO-10001798', 'Bush Somerset Collection Bookcase', 'Bookcases', 261.96);

INSERT INTO product(product_id, product_name, sub_category, sales) **VALUES** ('FUR-CH-10000454', 'Hon Deluxe Fabric Upholstered Stacking Chairs, Rounded Back', 'chairs', 731.94);

INSERT INTO product(product_id, product_name, sub_category, sales) **VALUES** ('OFF-LA-10000240', 'Self-Adhesive Address Labels for Typewriters by Universal', 'Labels', 14.62);

-- 3. Show all columns from all tables (each table displayed one by one).

SHOW COLUMNS FROM customer_addresses;

SHOW COLUMNS FROM customers;

SHOW COLUMNS FROM product_categories;

SHOW COLUMNS FROM products;

SHOW COLUMNS FROM orders;

SHOW COLUMNS FROM order_products;

-- 4. Show the name of the customer whose customer ID is 'HP-14815'.

SELECT customer_name **FROM** customers **WHERE** customer_ID = 'HP-14815';

-- 5. Show all items placed under order ID 'CA-2017-145625'.

SELECT * FROM orders **WHERE** order_id **IN** ('CA-2017-152156');

-- 6. Show the name, category and sub-category of the product with product ID 'TEC-AC-10002167'.

SELECT products.product_name, products.sub_category, product_categories.category **FROM** products **INNER JOIN** product_categories **ON** products.sub_category = product_categories.sub_category **WHERE** products.product_id = 'TEC-AC-10002167';

-- 7. Show all customers belonging to the 'consumer' segment.

SELECT * FROM customers **WHERE** segment = 'consumer';

-- 8. Show a list of all sales amounting to more than \$100.

SELECT * FROM products **WHERE** sales > 100;

-- 9. Show all customers with missing postal addresses.

SELECT * FROM customers **WHERE** postal_code **IS NULL**;

-- 10. Show all orders placed in 2017 and afterwards.

SELECT * FROM orders **WHERE** order_date >= '2017-01-01';

-- 11. Show all orders placed between 2015 and 2016 only.

SELECT * FROM orders **WHERE** order_date >= '2015-01-01' **AND** order_date <= '2016-12-31';

--12. Show all orders where the order was not shipped within 7 days of being placed.

SELECT * FROM orders **WHERE** datediff(ship_date, order_date) > 7;

-- 13. Show a list of all products with 'Xerox' in their name.

SELECT * FROM products **WHERE** product_name **LIKE** '%Xerox%';

-- 14. Show a list of all office supplies.

SELECT products.product_id, products.product_name, products.sub_category, product_categories.category, products.sales **FROM** products **INNER JOIN** product_categories **ON** products.sub_category = product_categories.sub_category **WHERE** product_categories.category = 'Office Supplies';

– 15. Update the address of the customer with ID 'KC-16540' to country='Pakistan', city='Lahore', state='Punjab', postal_code='54000', region='East'.

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UPDATE customer_addresses SET country = 'Pakistan', city = 'Lahore', state = 'Punjab',  
postal_code = 54000, region = 'East' WHERE postal_code IN (SELECT postal_code FROM  
customers WHERE customer_id = 'KC-16540');
```