

Assignment:- 05 Joins

Instructions:

Please share your answers filled in line in the Word document. Submit code separately wherever applicable.

Please ensure you update all the details:

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Topic: Introduction to Database

Joins

- 1. Run the below query to create the datasets.
 - a. /*retrieve sales table from the supermart_db (sales dataset contains multiple years data)*/USE SUPERMART_DB;

SELECT * FROM SALES;

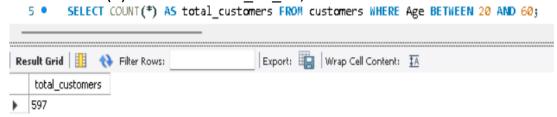
b. /* Counting the number of distinct customer_id values in sales table */
 SELECT COUNT(DISTINCT customer_id) AS distinct_customers FROM SALES;



- c. /* Customers with ages between 20 and 60 */
 - create table customer_20_60 as select * from customers where ages between 20 and 60;

SELECT * FROM customers WHERE Age BETWEEN 20 AND 60;

select count (*) from customer 20 60;





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2. Find the total sales that are done in every state for customer_20_60 and the sales table

Hint: Use Joins and Group By command SELECT c.state, SUM(s.sales) AS total_sales FROM customers c JOIN sales s ON c.customer_id = s.customer_id WHERE c.Age BETWEEN 20 AND 60 GROUP BY c.state;

3. Get data containing Product_id, Product name, category, total sales value of that product, and total quantity sold. (Use sales and product tables)

SELECT p.product_id, p.product_name, p.category,
SUM(s.sales) AS total_sales_value,
SUM(s.quantity) AS total_quantity_sold
FROM products p
JOIN sales s ON p.product id = s.product id

GROUP BY p.product id, p.product name, p.category;