**Instructions:**

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

Please ensure you update all the details:

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_ Batch ID:** \_\_\_\_\_\_\_\_\_\_\_

**Topic:** Joins

**1. Run the below query to create the datasets.**

**a. /\*retrieve sales table from the supermart\_db (sales dataset contains multiple years data)\*/**

**Ans:**

use supermart\_db;

SELECT \* FROM sales;

describe sales;

**b. /\* Counting the number of distinct customer\_id values in sales table \*/**

**Ans:**

SELECT COUNT(DISTINCT customer\_id) FROM sales;

**c. /\* Customers with ages between 20 and 60 \*/**

**#• create table customer\_20\_60 as select \* from customer where age between 20 and 60;**

**#• select count (\*) from customer\_20\_60;**

**Ans:**

CREATE TABLE customer\_20\_60 AS SELECT \* FROM customers WHERE age BETWEEN 20 AND 60;

SELECT COUNT(\*) FROM customer\_20\_60;

**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**

**Ans:**

SELECT c.state, SUM(s.sales)

FROM sales s

JOIN customer\_20\_60 c ON s.customer\_id = c.customer\_id

GROUP BY c.state;

describe products;

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

**Ans:**

SELECT p.product\_id, p.product\_name, p.sub\_category,

SUM(s.sales) AS total\_sales\_value,

SUM(s.Quantity) AS total\_quantity\_sold

FROM sales s

JOIN products p ON s.product\_id = p.product\_id

GROUP BY p.product\_id