# Database Management System Lab

## B. tech (Information Technology)

## 5$^{th}$Semester

## Exercise-4

Submitted By

**Yatin Arora**

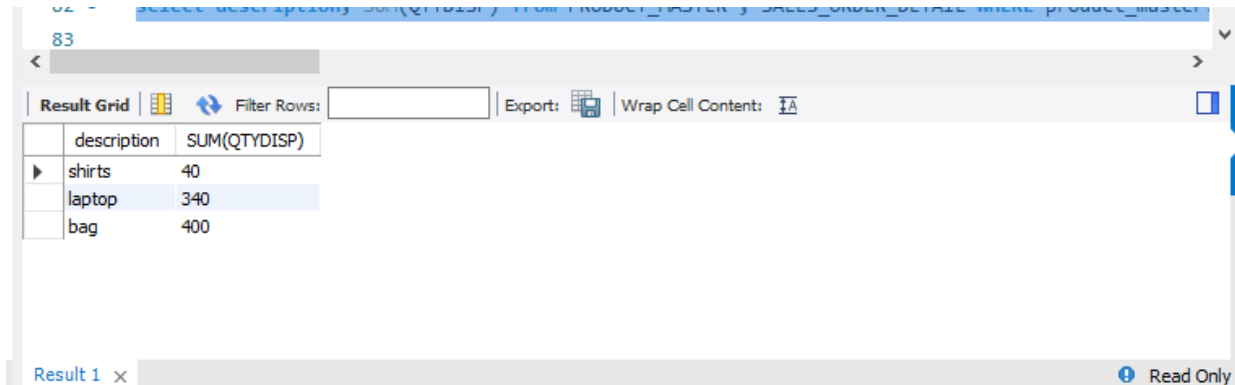**(18001011066)**

## Department of Computer Engineering

**J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA**

**FARIDABAD-121006**

**QUERY 1: Print the description and total quantity sold for each product.**

**Solution**: select description, SUM(QTYDISP) from PRODUCT_MASTER , SALES_ORDER_DETAIL WHERE product_master.productno = sales_order_detail.PRODUCT_NO GROUP BY DESCRIPTION;
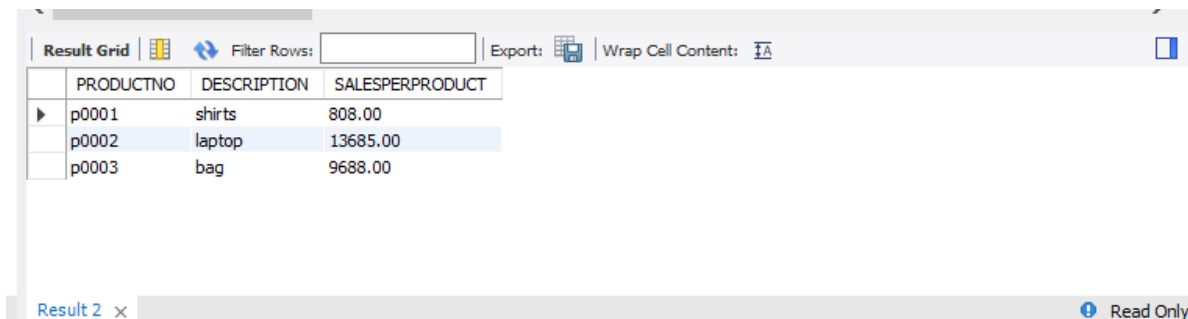
**Output:**

| description | SUM(QTYDISP) |
| --- | --- |
| shirts | 40 |
| laptop | 340 |
| bag | 400 |

Result 1 ×                                                                          ❶ Read Only

**QUERY 2: Find the value of each product sold.**

**Solution:** SELECT product_master.PRODUCTNO , product_master.DESCRIPTION, SUM(sales_order_detail.QTYDISP * sales_order_detail.PRODUCTRATE) SALESPERPRODUCT FROM SALES_ORDER_DETAIL, PRODUCT_MASTER WHERE product_master.PRODUCTNO = sales_order_detail.PRODUCT_NO GROUP BY product_master.PRODUCTNO, product_master.DESCRIPTION;
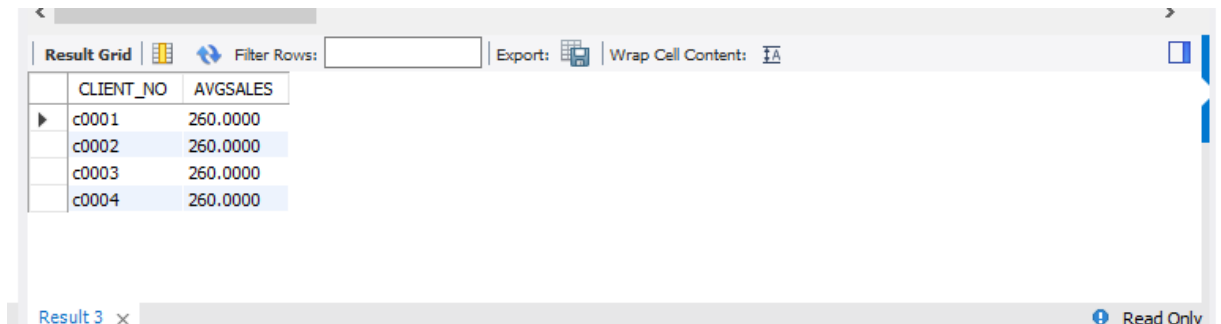
**Output:**

| PRODUCTNO | DESCRIPTION | SALESPERPRODUCT |
| --- | --- | --- |
| p0001 | shirts | 808.00 |
| p0002 | laptop | 13685.00 |
| p0003 | bag | 9688.00 |

Result 2 ×                                                                          ❶ Read Only

**QUERY 3: Calculate the average quantity sold for each client that has maximum order value of 15000.00**

**Solution:** SELECT CM.CLIENT_NO, AVG(SOD.QTYDISP) AVGSALES FROM SALES_ORDER_DETAIL SOD, CLIENT_MASTER CM WHERE CM.CLIENT_NO =

CM.CLIENT_NO AND SOD.ORDER_NO = SOD.ORDER_NO GROUP BY
CM.CLIENT_NO HAVING MAX(SOD.QTYORDERD * SOD.PRODUCTRATE) > 15000;

**Output:**



| CLIENT_NO | AVGSALES |
|-----------|----------|
| c0001 | 260.0000 |
| c0002 | 260.0000 |
| c0003 | 260.0000 |
| c0004 | 260.0000 |
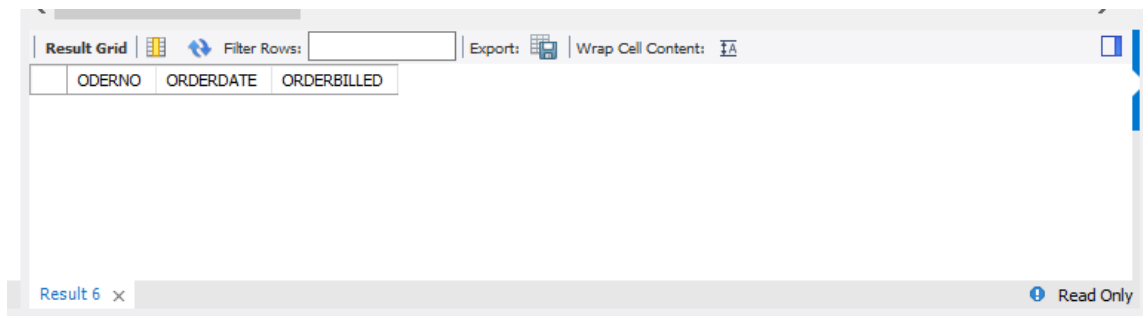
**QUERY 4: Find the total of all the billed orders for the month of June.**

**Solution:**

SELECT SO.ODERNO, SO.ORDERDATE, SUM(SOD.QTYORDERD *
SOD.PRODUCTRATE) ORDERBILLED FROM SALES_ORDER SO,
SALES_ORDER_DETAIL SOD WHERE SOD.ORDER_NO = SO.ODERNO AND
ORDERDATE= 06 GROUP BY SO.ODERNO, SO.ORDERDATE;

**Output:**



| ODERNO | ORDERDATE | ORDERBILLED |
|--------|-----------|-------------|