**LAB - 10**

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**CSE-24**

**21052264**

CREATE VIEW V1 AS SELECT CUSTOMER\_ID, PRODUCT\_ID, SUM(Quantity) Total\_Qty FROM BUY GROUP BY CUSTOMER\_ID, PRODUCT\_ID;

SELECT \* FROM V1;

(SELECT \* FROM V1 WHERE CUSTOMER\_ID=1002)T1 INNER JOIN (SELECT \* FROM V1 WHERE CUSTOMER\_ID<>1002)T2 T1.PRODUCT\_ID=T2.PRODUCT\_ID AND T1.TOTAL\_Qty=T2.TOTAL\_Qty;

Select distinct (T2.customer\_id) from (Select \* from V1 where customer\_id = 1002) T1 inner join (select \* from V1 where customer\_id <> 1002) T2 on T1.Product\_id=T2.Product\_id and T1.total\_qty=T2.total\_qty;

SELECT T2.CUSTOMER\_ID, COUNT(T2.PRODUCT\_ID) FROM ((SELECT \* FROM V1 WHERE CUSTOMER\_ID=1002) T1 INNER JOIN (SELECT \* FROM V1 WHERE CUSTOMER\_ID <>1002) T2 ON T1.PRODUCT\_ID =T2.PRODUCT\_ID AND T1.TOTAL\_Qty=T2.TOTAL\_Qty) GROUP BY T2.CUSTOMER\_ID;

select product\_id from buy group by product\_id having sum(quantity)>=ALL(select sum(quantity) from buy group by product\_id);

select customer\_id from buy group by customer\_id having count(customer\_id)>=ALL(select count(customer\_id) from buy group by customer\_id);

SELECT CUSTOMER\_ID FROM (SELECT BUY.CUSTOMER\_ID, PRODUCT.PRICE\*BUY.QUANTITY AS MONEY FROM PRODUCT INNER JOIN BUY ON PRODUCT.PRODUCT\_ID=BUY.PRODUCT\_ID) GROUP BY CUSTOMER\_ID HAVINGSUM(MONEY)=(SELECT MAX(MONEY)) FROM SEELCT BUY.CUSTOMER\_ID, PRODUCT.PRICE\*BUY.QUANTITY AS MOMEY FROM PRODUCT INNER JOIN BUY ON PRODICT.PRODUCT\_ID=BUY.PRODUCT\_ID) GROUP BY CUSTOMER\_ID);

CREATE VIEW V2 AS (SELECT T2.CUSTOMER\_ID, T2.PRODUCT\_ID, T2.QT\*T1.PRICE AS TOTAL\_PRICE (SELECT \* FROM V1) T1 INNER JOIN (SELECT \* FROM PRODUCT) T2 ON T1.PRODUCT\_ID=T2.PRODUCT\_ID);