**-- 1) WRITE A QUERY TO DISPLAY PRODUCT NAME AND SUPPLIER**

select product\_name,supplier

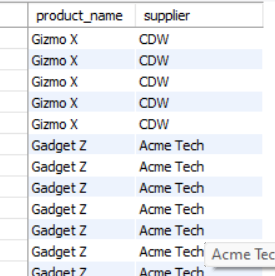
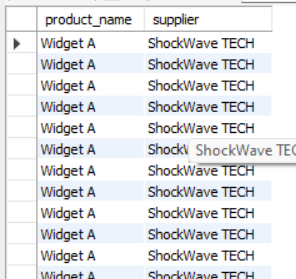
from products

join purchases

on products.id = purchases.supplier\_id

join suppliers

on purchases.supplier\_id = suppliers.id;



**-- 2) WRITE A SQL QUERY FOR NAME OF TOP SELLING PRODUCT**

SELECT (product\_name),SUM(number\_shipped) AS TOTAL\_SHIPPED

FROM orders

JOIN products

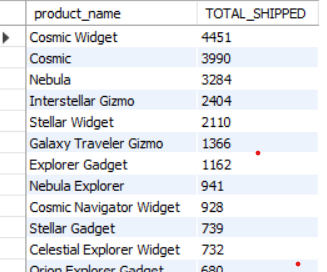
ON orders.product\_id = products.id

JOIN purchases

ON products.id = purchases.product\_id

group by products.product\_name

ORDER BY SUM(number\_shipped) DESC;



**-- 3) WRITE A SQL QUERY FOR TOP SELLER SUPPLIER NAME**

select supplier,sum(number\_shipped) AS total\_shipped

from orders

join products

On orders.product\_id = products.id

join purchases

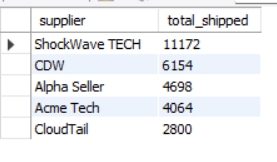
on purchases.product\_id = products.id

join suppliers

on suppliers.id = purchases.supplier\_id

group by suppliers.supplier

order by sum(number\_shipped)desc;



**-- 4) PRODUCT WISE SUM OF NUMPER SHIPPED**

SELECT product\_name,SUM(number\_shipped)

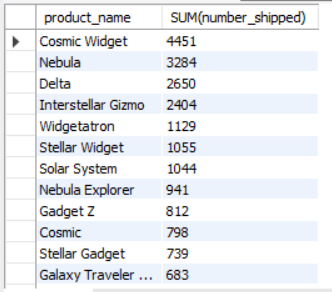
FROM products

JOIN orders

ON products.id = orders.product\_id

GROUP BY product\_name

order by sum(number\_shipped) desc;



**-- 5) SUPPLIER PURCHASES INVENTORY RECEIVED**

SELECT supplier,SUM(number\_received)

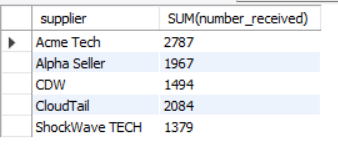
FROM suppliers

JOIN purchases

ON suppliers.id = purchases.supplier\_id

GROUP BY supplier

ORDER BY supplier;



**-- 6) TOTAL INVENTORY RECEIVED FROM SUPPLIER**

SELECT supplier,SUM(inventory\_received)

FROM products

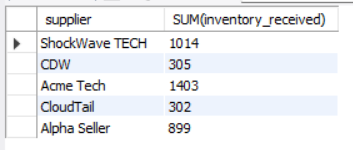
JOIN purchases

ON products.id = purchases.product\_id

JOIN suppliers

ON purchases.supplier\_id = suppliers.id

GROUP BY supplier;



**-- 7) PRODUCT WISE SUM OF NUMPER SHIPPED**

SELECT product\_name,sum(number\_shipped)

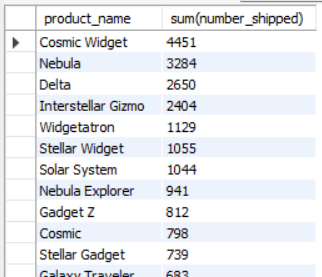
FROM products

JOIN orders

ON products.id = orders.product\_id

GROUP BY product\_name

ORDER BY sum(number\_shipped)desc;

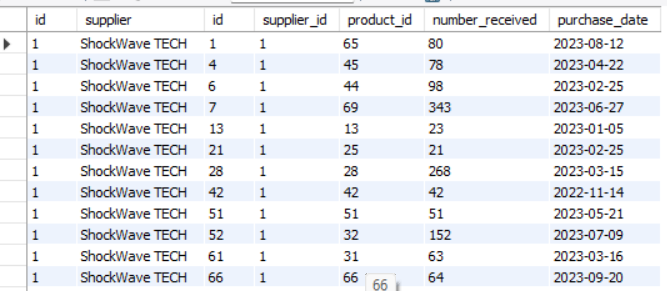


**-- 8) CROSS JOIN**

SELECT \* FROM suppliers

CROSS JOIN purchases

ON purchases.supplier\_id = suppliers.id;



**-- 9) CUSTOMER FIRST NAME, LAST NAME , PRODUCT BUY FROM WHICH SUPPLIER**

SELECT first\_name,last\_name,product\_name,supplier

FROM orders

JOIN products

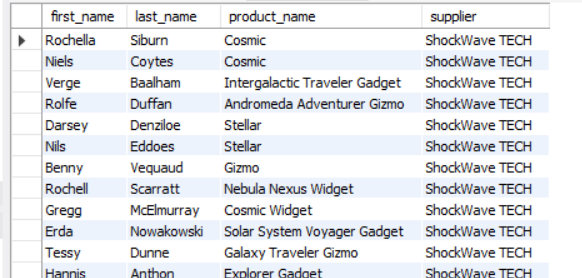
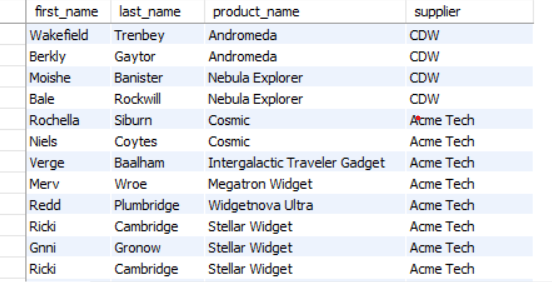
ON orders.product\_id = products.id

JOIN purchases

ON products.id = purchases.product\_id

JOIN suppliers

ON purchases.supplier\_id = suppliers.id;



**-- 10) LAST 180 DAYS ORDER WITH PRODUCT NAME,FIRST\_NAME,LAST\_NAME**

SELECT order\_date,product\_name,first\_name,last\_name

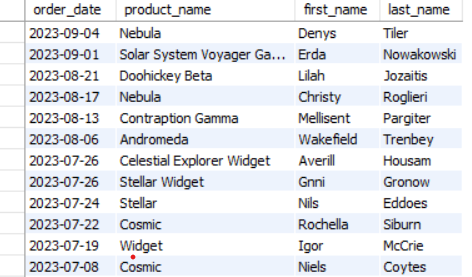
FROM orders

JOIN products

ON products.id = orders.product\_id

WHERE DATE\_SUB(curdate(),INTERVAL 6 MONTH)<= order\_date

ORDER BY order\_date desc;



**-- 11) PRODUCT NAME RECEICED FROM SUPPLIER ,INVENTORY HOLD AND ORDER SHIPPED**

SELECT product\_name,SUM(INVENTORY\_RECEIVED),SUM(NUMBER\_RECEIVED),SUM(NUMBER\_SHIPPED)

FROM products

JOIN purchases

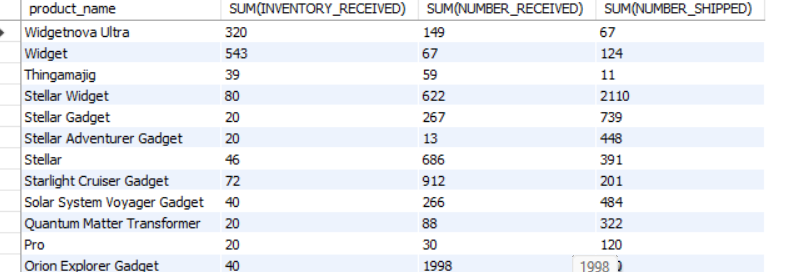
ON products.id = purchases.product\_id

JOIN orders

ON products.id = orders.product\_id

GROUP BY product\_name

ORDER BY product\_name DESC;



**-- 12) SUPLLIER SHIPPED ORDER**

SELECT supplier,SUM(NUMBER\_SHIPPED)

FROM suppliers

JOIN purchases

ON suppliers.id = purchases.supplier\_id

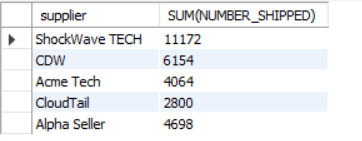
JOIN products

ON purchases.product\_id = products.id

JOIN orders

ON products.id = orders.product\_id

GROUP BY supplier;



**-- 13) FIND STARTING INVENTORY AND NUMBER SHIPPED AS PER PRODUCT NAME**

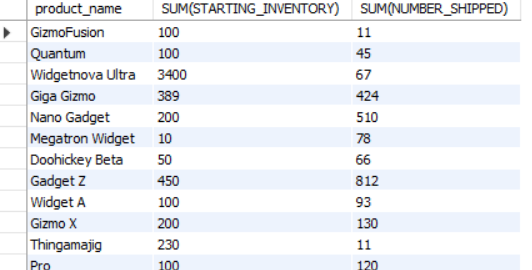
SELECT product\_name,SUM(STARTING\_INVENTORY),SUM(NUMBER\_SHIPPED)

FROM products

JOIN orders

ON products.id = orders.product\_id

GROUP BY product\_name;



**-- 14) PRODUCT NAME,INVENTORY ON HAND SUPPLIER WHO HAS Stellar Gadget IN STOCK**

SELECT product\_name, supplier, SUM(INVENTORY\_ON\_HAND)

FROM products

JOIN purchases

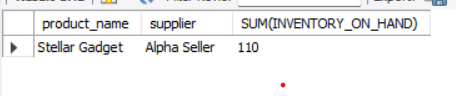
ON products.id = purchases.product\_id

JOIN suppliers

ON purchases.supplier\_id = suppliers.id

WHERE PRODUCT\_NAME = 'Stellar Gadget'

GROUP BY supplier;



**-- 15) FIND HIGHEST PRODUCT SHIPPED TO CUSTOMER NAME = Benny**

SELECT product\_name,first\_name,SUM(NUMBER\_SHIPPED)

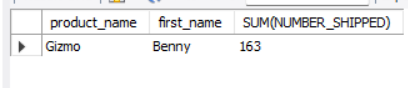
FROM products

JOIN orders

ON products.id = orders.product\_id

WHERE first\_name= 'Benny'

GROUP BY product\_name;



**-- 16) NUMBER SHIPPED TO CUTOMER DETAILS YEAR AND MONTH WISE**

SELECT YEAR(order\_date) AS YEAR,MONTHNAME(order\_date) AS MONTH,COUNT(number\_shipped) AS TOTAL\_ORDER

from orders

GROUP BY YEAR(order\_date),MONTHNAME(order\_date)

ORDER BY YEAR(order\_date),MONTHNAME(order\_date) ASC;



**-- 17) LEFT JOIN ON 3 TABLES**

SELECT product\_name,supplier

FROM products

LEFT JOIN purchases

ON products.id = purchases.product\_id

LEFT JOIN suppliers

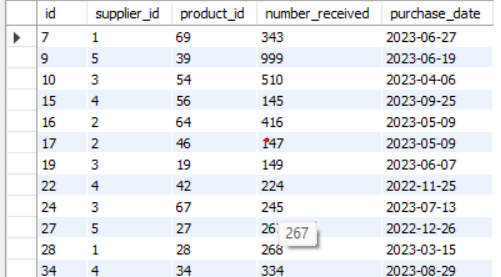
ON purchases.supplier\_id = suppliers.id;



**-- 18) Sub-Query In Puchase Table Find Avg of Number\_received and > than avg NUMBER REVEIVED**

SELECT \* FROM purchases

WHERE NUMBER\_RECEIVED > (SELECT AVG(NUMBER\_RECEIVED) FROM purchases);

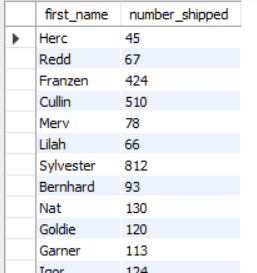


**-- 19) USING WHERE CONDITION**

SELECT first\_name,number\_shipped

from orders

WHERE number\_shipped > 20;



**-- 20) JOIN THE PRODUCTS AND ORDERS TABLE USING CROSS JOIN QUERY**

SELECT \* FROM products

CROSS JOIN orders

ON products.id = orders.product\_id;

