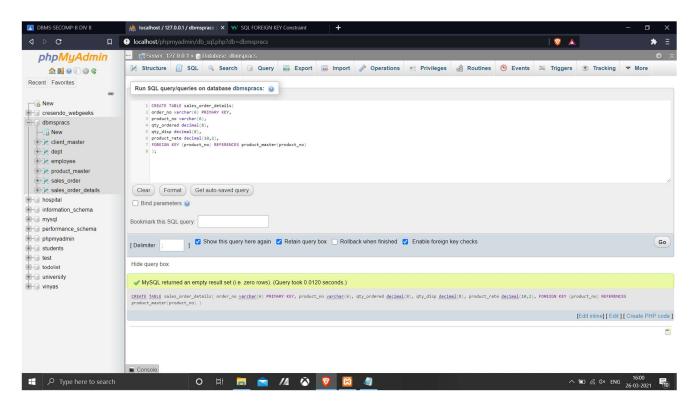
Name: Brendan Lucas, Div: SE COMP B, Roll No: 8953

DBMS Practical Implementation, Lab 6.

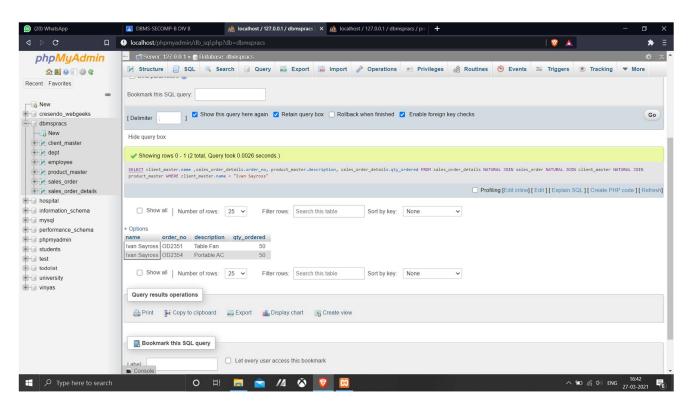
1. To Create Table sales order details:

```
CREATE TABLE sales_order_details(
order_no varchar(6) PRIMARY KEY,
product_no varchar(6),
FOREIGN KEY (product_no) REFERENCES product_master(product_no),
qty_ordered decimal(8),
qty_disp decimal(8),
product_rate decimal(10,2)
);
```



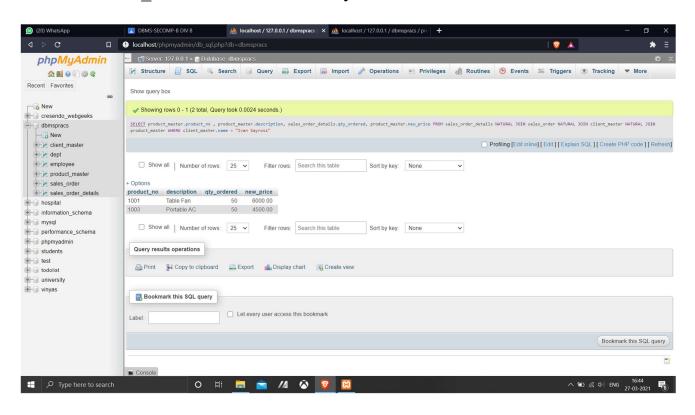
2. Find the products which has been sold to client 'Ivan Sayross'

SELECT client_master.name ,sales_order_details.order_no, product_master.description, sales_order_details.qty_ordered FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE client_master.name = "Ivan Sayross"



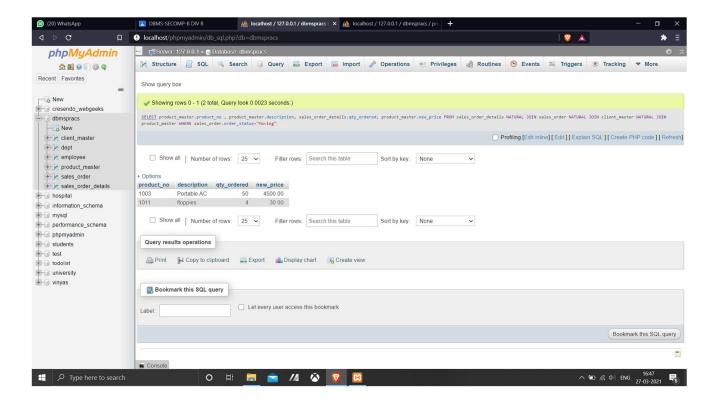
3. Find out product and their quantities that is to be delivered.

SELECT product_master.product_no , product_master.description, sales_order_details.qty_ordered, product_master.new_price FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE client master.name = "Ivan Sayross"



4. Find out the product number and description of Moving products.

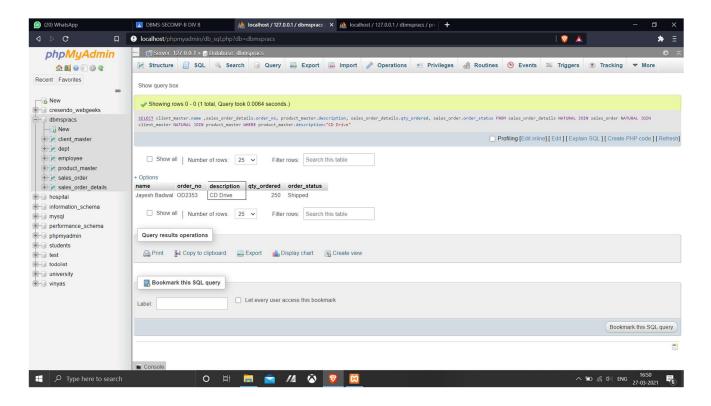
SELECT product_master.product_no , product_master.description FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE sales order.order status="Moving";



5. Find out the names of clients who have purchased 'CD Drive'.

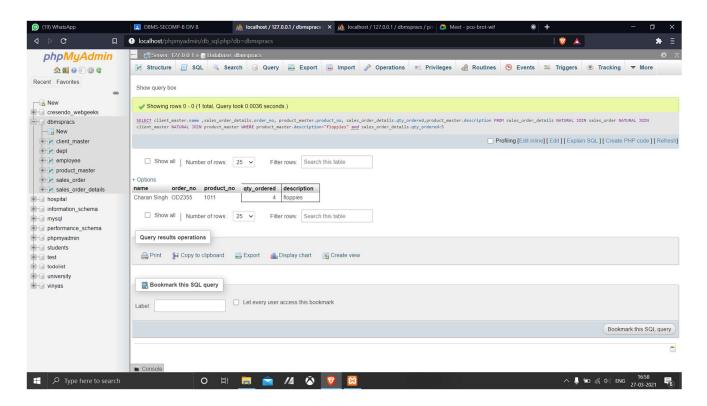
SELECT client_master.name ,sales_order_details.order_no, product_master.description, sales_order_details.qty_ordered, sales order.order status

FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE product master.description="CD Drive";



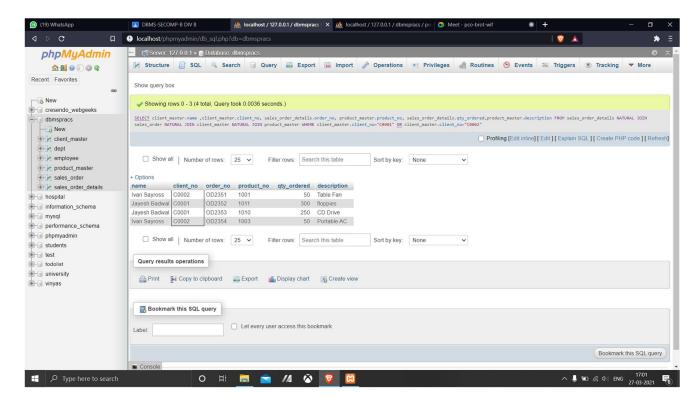
6. List the product_no and order_no of customers having quantity ordered less than 5 form sales order details table for the product 'floppies'.

SELECT client_master.name ,sales_order_details.order_no, product_master.product_no, sales_order_details.qty_ordered,product_master.description FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE product_master.description="floppies" and sales_order_details.qty_ordered<5;



7. Find the products and their quantities for the orders placed by client_no 'C0001' and 'C0002'.

SELECT client_master.name ,client_master.client_no, sales_order_details.order_no, product_master.product_no, sales_order_details.qty_ordered,product_master.description FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master WHERE client_master.client_no="C0001" OR client_master.client_no="C0002";



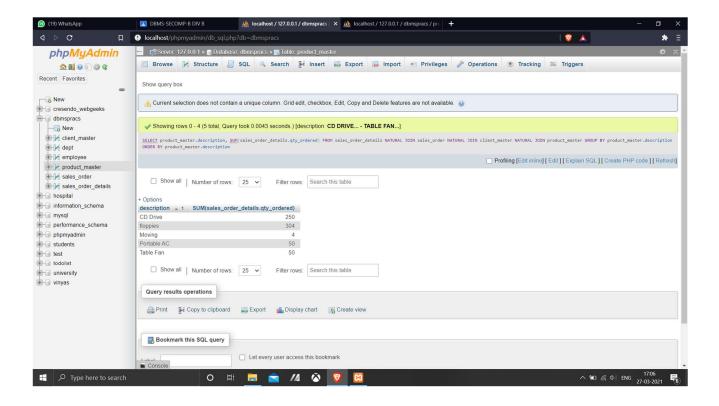
8. Find the description and total quantity sold for each products.

SELECT product_master.description, SUM(sales_order_details.qty_ordered) AS UNITS SOLD

FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client_master NATURAL JOIN product_master

GROUP BY product_master.description

ORDER BY product master.description



9. Find the value of each product sold.

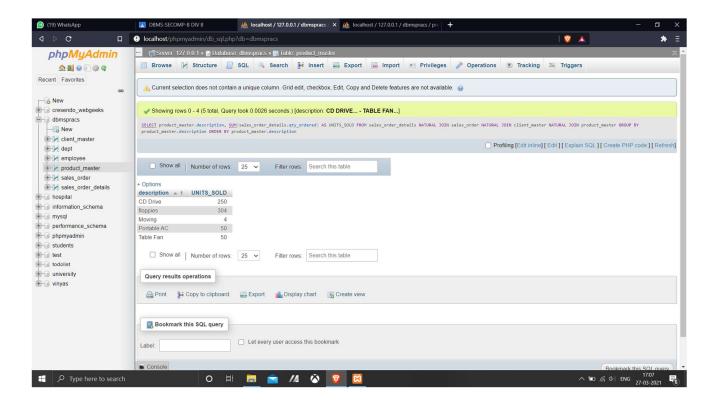
SELECT product_master.description,SUM(sales_order_details.qty_ordered) AS UNITS SOLD

,SUM(sales_order_details.qty_ordered)*sales_order_details.product_rate AS Value Recieved

FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN client master NATURAL JOIN product master

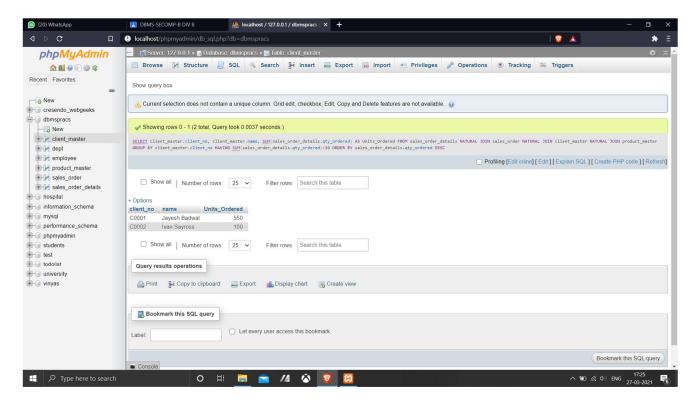
GROUP BY product_master.description

ORDER BY product master.description



10. Find out the name of customers who have given the order of more than 10 qty.

SELECT client_master.client_no, client_master.name,
SUM(sales_order_details.qty_ordered) AS Units_Ordered
FROM sales_order_details NATURAL JOIN sales_order NATURAL JOIN
client_master NATURAL JOIN product_master
GROUP BY client_master.client_no
HAVING SUM(sales_order_details.qty_ordered)>10
ORDER BY sales_order_details.qty_ordered DESC



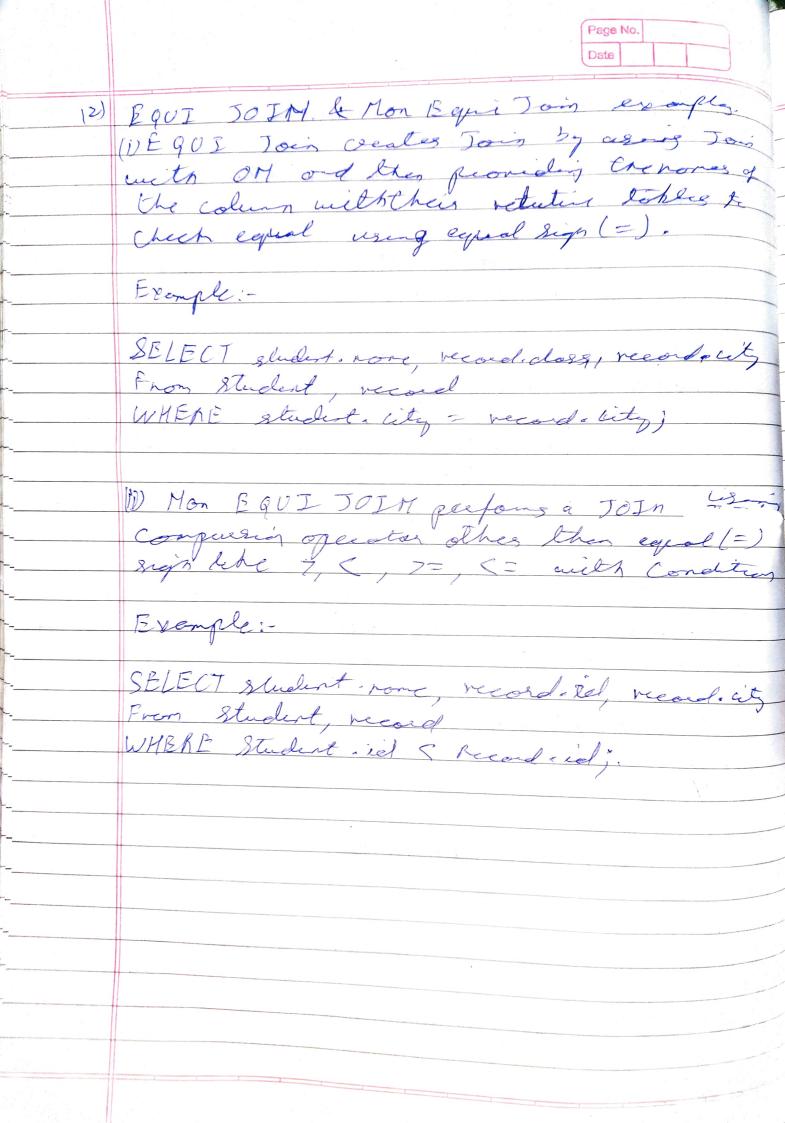
Postlob EXP 6.

Difference between inner join and outer join

Difference Dais

Difference D 19 It retuens the constant tuple between two or more tobles. it will so return nothing. 10 If tuples are more. I They IMMER JOJN works, footer than OUTER JOJN. d) It is used where we work clateriled information about ony specific attribute. e) Used Change IMMER JOIN and JOIM. (ii) Outer Joes.

(a) It well relien the control liple for a species table even join condition will fail b) It does not depend agon the common alterbates. If the allrebates is blook then here already placed. O Cenerally the OUTER JOIN is slower than IMMER JOJM. But except for some special cases Il It is used when we want complete information (e) Clard Clouge LEFT OUTER JOJH, RIGHT OUTER JOJH, FULL OUTER JOJH etc.











Choose the correct JOIN clause to select all records from the two tables where there is a match in both tables.

SELECT * FROM Orders Inner Join Customer ON Orders.CustomerID= Customers.CustomerID;

Submit Answer > **Show Answer**



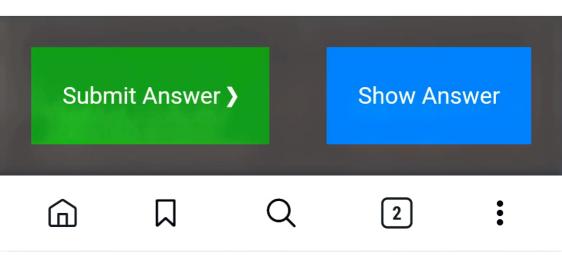






Choose the correct JOIN clause to select all the records from the Customers table plus all the matches in the Orders table.

SELECT * FROM Orders Right Join Customers ON Orders.CustomerID= Customers.CustomerID;











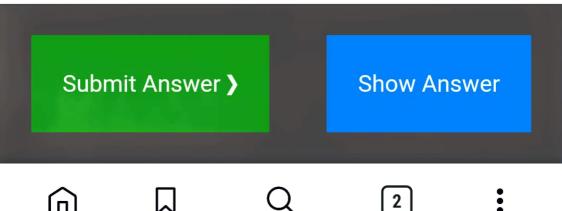




List the number of customers in each country.

SELECT Count(CustomerID), Country FROM Customers

Group by country;

















🖰 w3schools.com/sql/exercise.: 🔯





Exercise:

List the number of customers in each country, ordered by the country with the most customers first.

SELECT Count(CustomerID), Country FROM Customers Group by country ORDER BY COUNT(CustomerID) DESC;

Submit Answer > **Show Answer**







Insert the missing parts in the JOIN clause to join the two tables Orders and

Customers, using the CustomerID field in both tables as the relationship between the two tables.

Correct!

Next >

Next Exercise >

Show Answer

