Assignment 2: Retrieve data using join with where clause

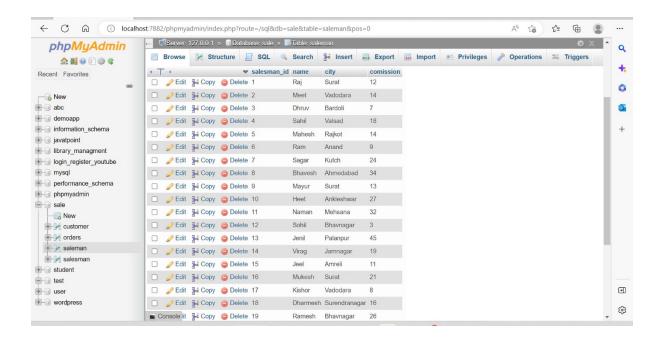
Sample table1: salesman

-salesman id

-name

-city

-commission



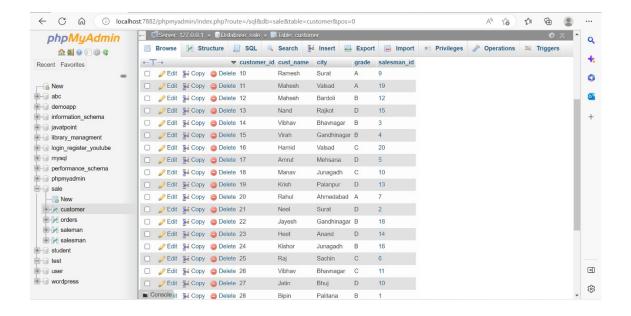
Sample table2: customer

-customer id

-cust name

-city -grade

-salesman id



Sample table3: orders

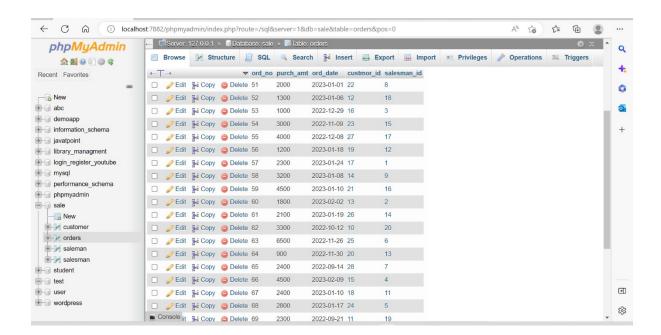
-ord no

-purch_amt

-ord_date

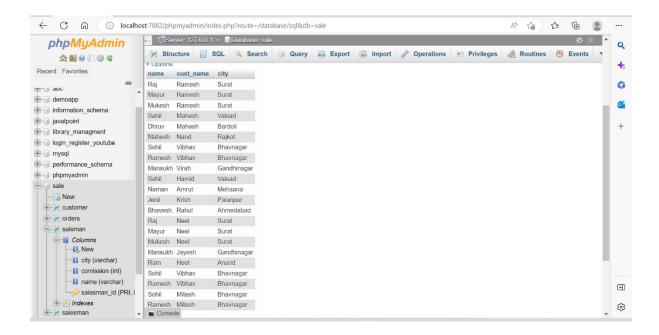
-customer id

-salesman id



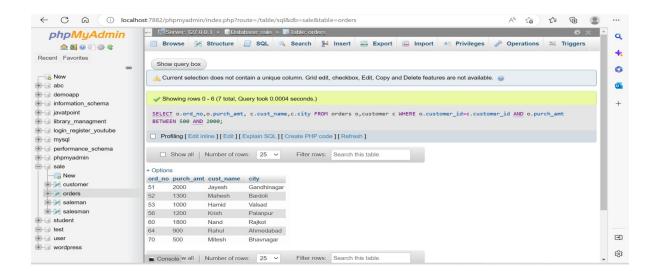
1. write a SQL query to find the salesperson and customer who reside in the same city. Return Salesman, cust name and city

SELECT saleman.name, customer.cust_name, customer.city FROM saleman, customer
WHERE saleman.city=customer.city;

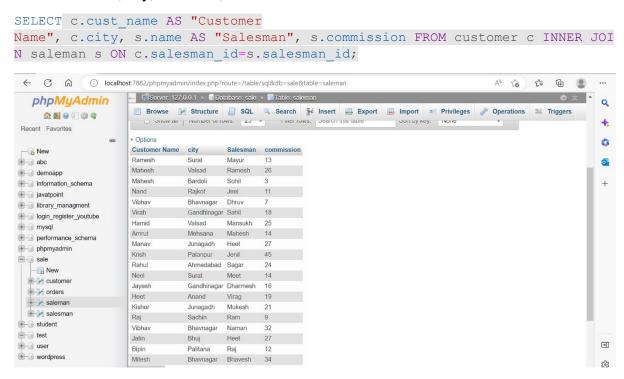


2. write a SQL query to find those orders where the order amount exists between 500 and 2000. Return ord no, purch amt, cust name, city

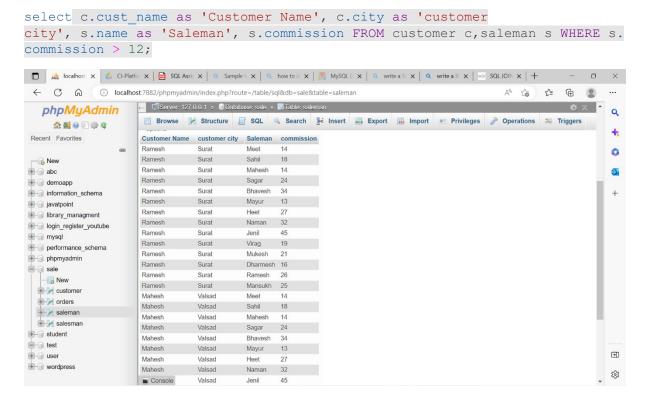
SELECT o.ord_no,o.purch_amt, c.cust_name,c.city FROM orders o,customer c WH ERE o.customer id=c.customer id AND o.purch amt BETWEEN 500 AND 2000;



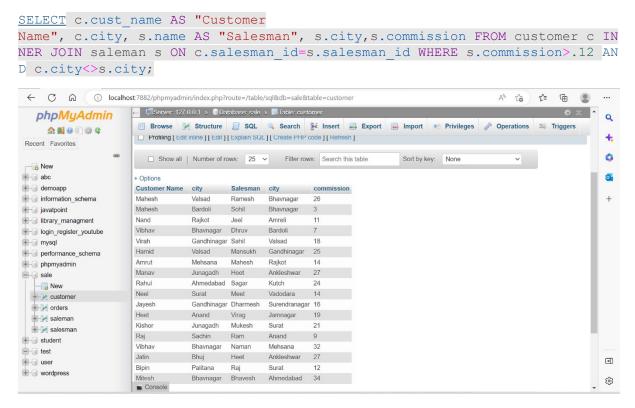
3. write a SQL query to find the salesperson(s) and the customer(s) he represents. Return Customer Name, city, Salesman, commission



4. write a SQL query to find salespeople who received commissions of more than 12 percent from the company. Return Customer Name, customer city, Salesman, commission.



5. write a SQL query to locate those salespeople who do not live in the same city where their customers live and have received a commission of more than 12% from the company. Return Customer Name, customer city, Salesman, salesman city, commission



6. write a SQL query to find the details of an order. Return ord_no, ord_date, purch_amt, Customer Name, grade, Salesman, commission

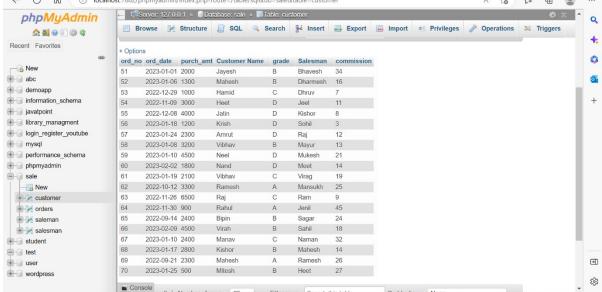
SELECT o.ord_no,o.ord_date,o.purch_amt, c.cust_name AS "Customer

Name", c.grade, s.name AS "Salesman", s.commission FROM orders o INNER JOIN

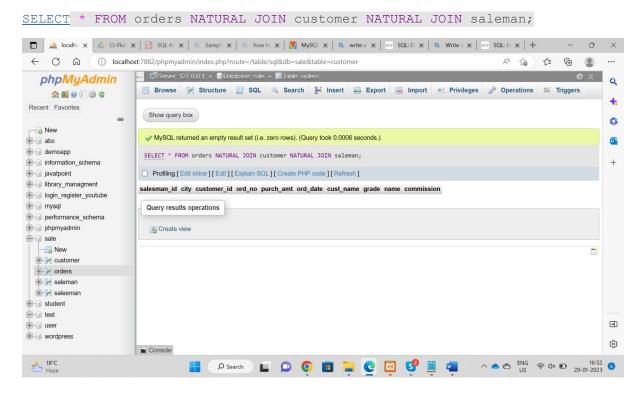
customer c ON o.customer_id=c.customer_id INNER JOIN saleman s ON o.salesm

an_id=s.salesman_id;

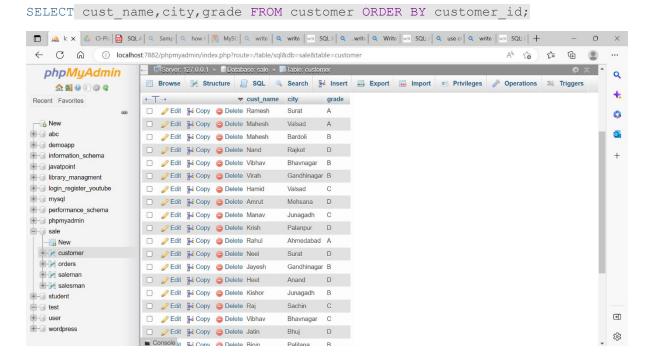
C O O localhost7882/phpmyadmin/index.php?route=/table/sql&db=sale&table=customer



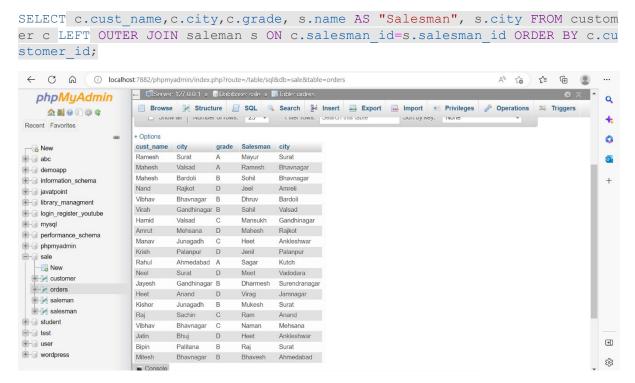
7. Write a SQL statement to join the tables salesman, customer and orders so that the same column of each table appears once and only the relational rows are returned.



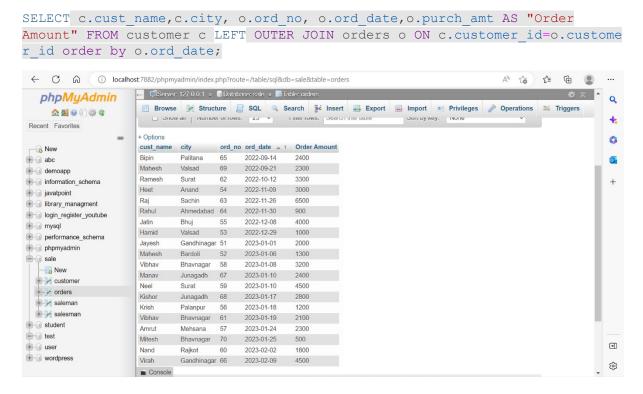
8. write a SQL query to display the customer name, customer city, grade, salesman, salesman city. The results should be sorted by ascending customer id.



9. write a SQL query to find those customers with a grade less than 300. Return cust_name, customer city, grade, Salesman, salesmancity. The result should be ordered by ascending customer_id.

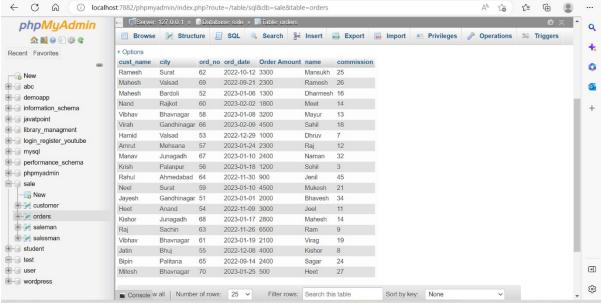


10. Write a SQL statement to make a report with customer name, city, order number, order date, and order amount in ascending order according to the order date to determine whether any of the existing customers have placed an order or not



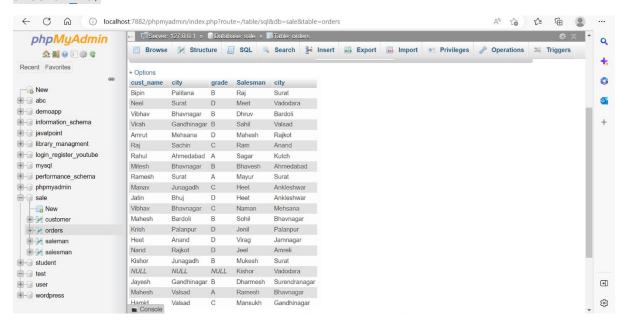
11. Write a SQL statement to generate a report with customer name, city, order number, order date, order amount, salesperson name, and commission to determine if any of the existing customers have not placed orders or if they have placed orders through their salesman or by themselves

SELECT c.cust_name,c.city, o.ord_no, o.ord_date,o.purch_amt AS "Order Amount", s.name,s.commission FROM customer c LEFT OUTER JOIN orders o ON c. customer_id=o.customer_id LEFT OUTER JOIN saleman s ON s.salesman_id=o.salesman_id;

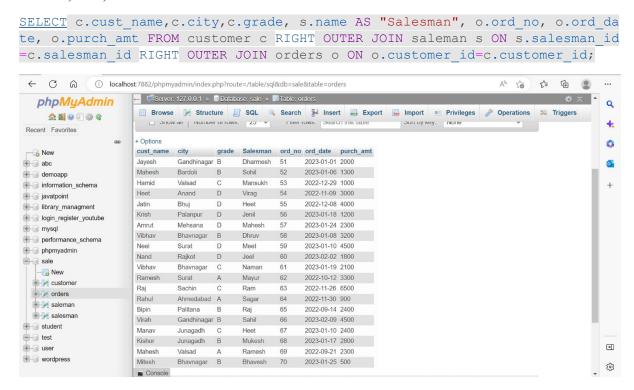


12. Write a SQL statement to generate a list in ascending order of salespersons who work either for one or more customers or have not yet joined any of the customers

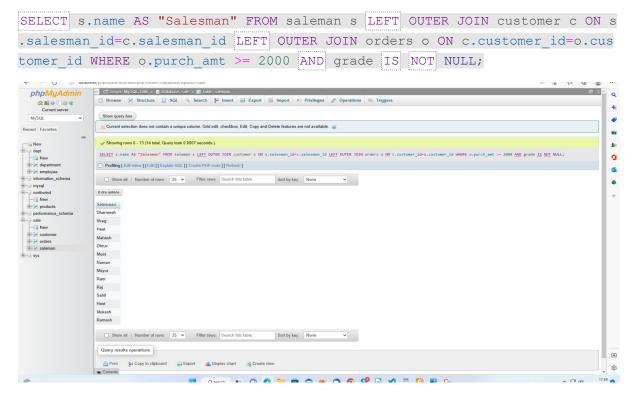
SELECT c.cust_name,c.city,c.grade, s.name AS "Salesman", s.city FROM custom er c RIGHT OUTER JOIN saleman s ON s.salesman_id=c.salesman_id ORDER BY s.s alesman id;



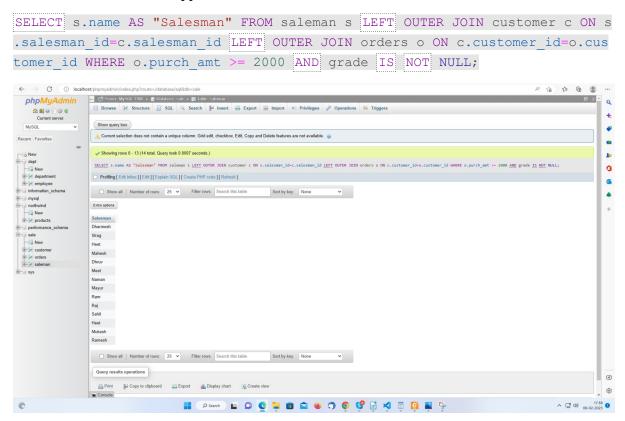
13. write a SQL query to list all salespersons along with customer name, city, grade, order number, date, and amount.



14. Write a SQL statement to make a list for the salesmen who either work for one or more customers or yet to join any of the customers. The customer may have placed, either one or more orders on or above order amount 2000 and must have a grade, or he may not have placed any order to the associated supplier.



15. Write a SQL statement to generate a list of all the salesmen who either work for one or more customers or have yet to join any of them. The customer may have placed one or more orders at or above order amount 2000, and must have a grade, or he may not have placed any orders to the associated supplier.



16. Write a SQL statement to generate a report with the customer name, city, order no. order date, purchase amount for only those customers on the list who must have a grade and placed one or more orders or which order(s) have been placed by the customer who neither is on the list nor has a grade.

SELECT c.cust_name AS 'customer name', c.city, o.ord_no as 'order no.', o.ord_date as 'order date', o.purch amt AS 'purchase

amount' FROM customer c JOIN orders o ON c.customer_id=o.customer_id WHERE (c.grad e is not NULL and o.ord_no is null) or (o.ord_no in (SELECT oe.ord_no from orders oe W HERE oe.customer id NOT IN (SELECT customer id from customer)));

NO DATA

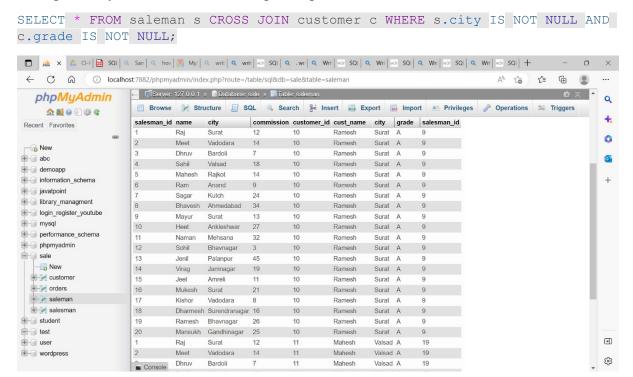
17. Write a SQL query to combine each row of the salesman table with each row of the customer table



18. Write a SQL statement to create a Cartesian product between salesperson and customer, i.e. each salesperson will appear for all customers and vice versa for that salesperson who belongs to that city



19. Write a SQL statement to create a Cartesian product between salesperson and customer, i.e. each salesperson will appear for every customer and vice versa for those salesmen who belong to a city and customers who require a grade



20. Write a SQL statement to make a Cartesian product between salesman and customer i.e. each salesman will appear for all customers and vice versa for those salesmen who must belong to a city which is not the same as his customer and the customers should have their own grade

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SELECT * FROM saleman s CROSS JOIN customer c WHERE s.city IS NOT NULL AND c.grade IS NOT NULL AND s.city<>c.city;
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