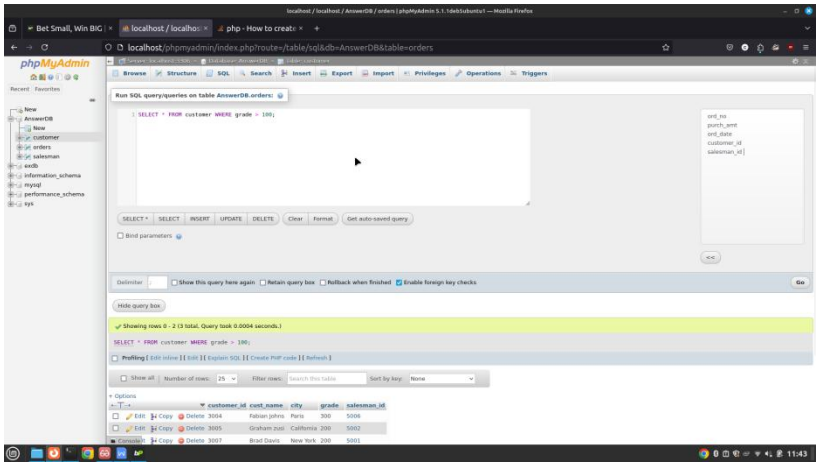
Name : Taku Collins

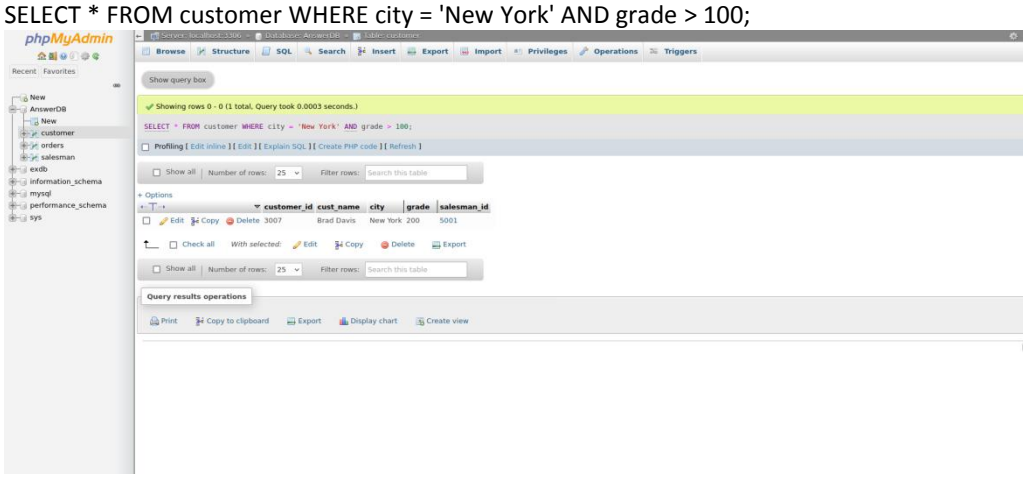
SQL Assignment

1. Write a query to display all customers with a grade above 100
SELECT * FROM customer WHERE grade > 100;



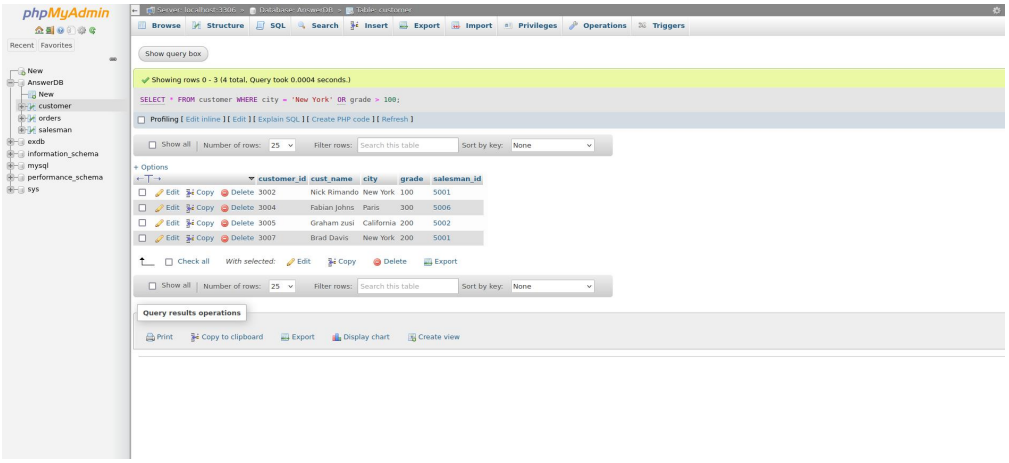
2. Write a query statement to display all customers in New York who have a grade value above 100.

SELECT * FROM customer WHERE city = 'New York' AND grade > 100;



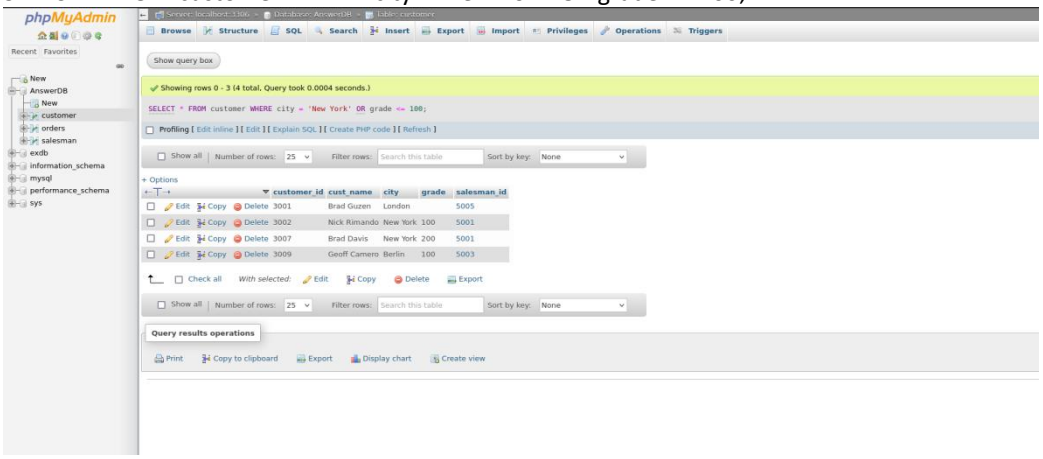
3. Write a SQL statement to display all customers, who are either belongs to the city New York or had a grade above 100.

SELECT * FROM customer WHERE city = 'New York' OR grade > 100;



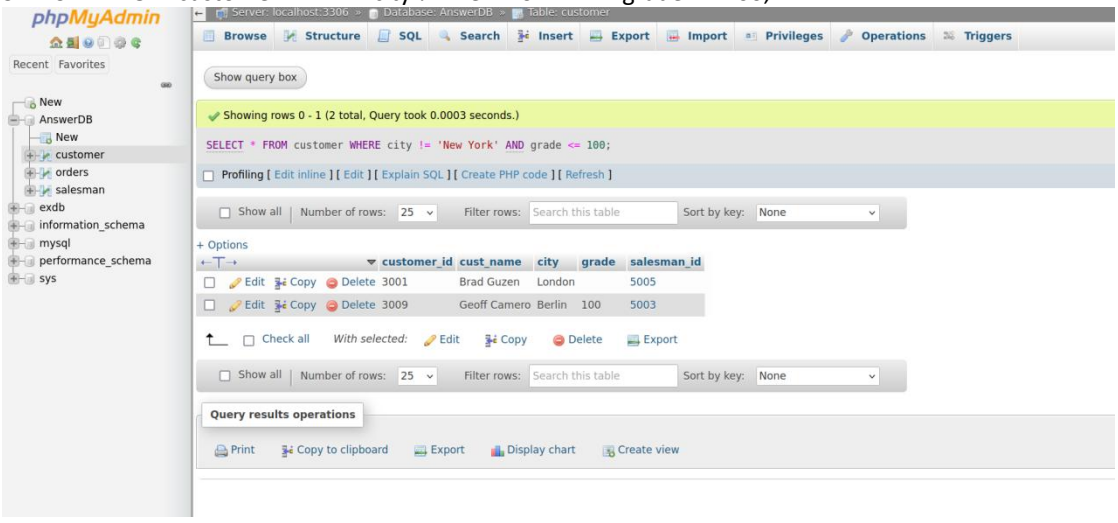
4. Write a SQL statement to display all the customers, who either belong to the city New York or not had a grade above 100.

SELECT * FROM customer WHERE city = 'New York' OR grade <= 100;



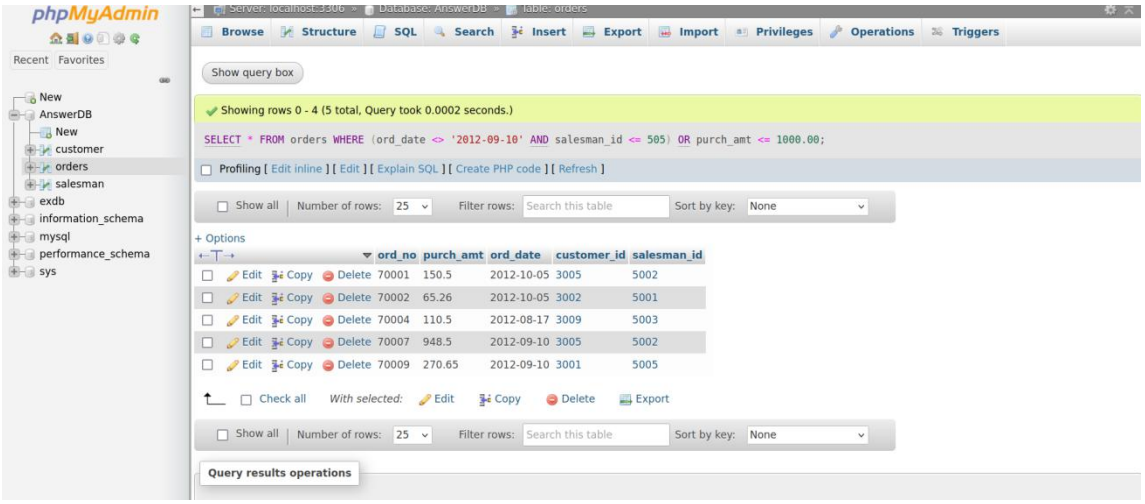
5. Write a SQL query to display those customers who neither belong to the city New York nor grade value more than 100.

SELECT * FROM customer WHERE city != 'New York' AND grade <= 100;



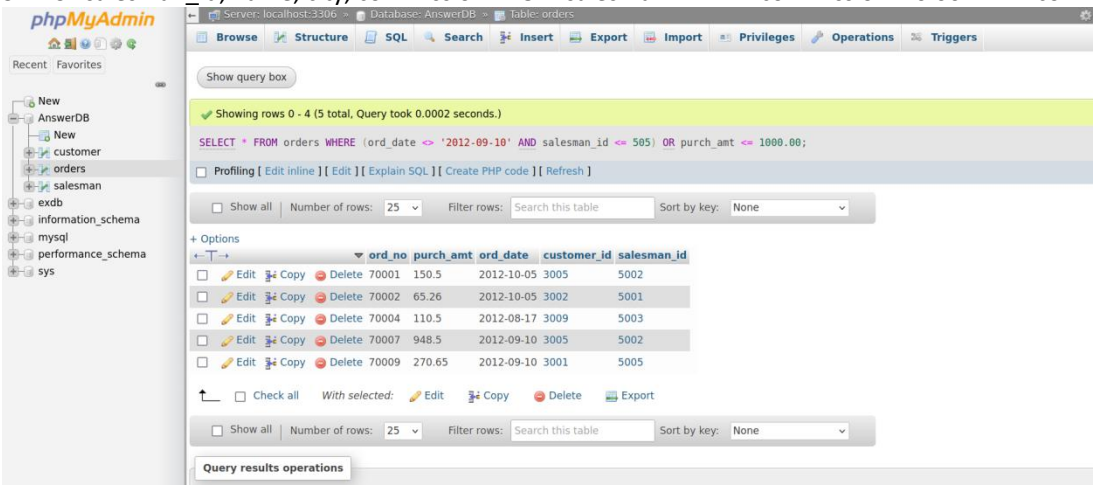
6. Write a SQL statement to display either those orders whose are not issued on date 2012-09-10 and issued by the salesman whose ID is 505 and below or those orders whose purchase amount is 1000.00 and below.

SELECT * FROM orders WHERE (ord_date <> '2012-09-10' AND salesman_id <= 505) OR purch_amt <= 1000.00;



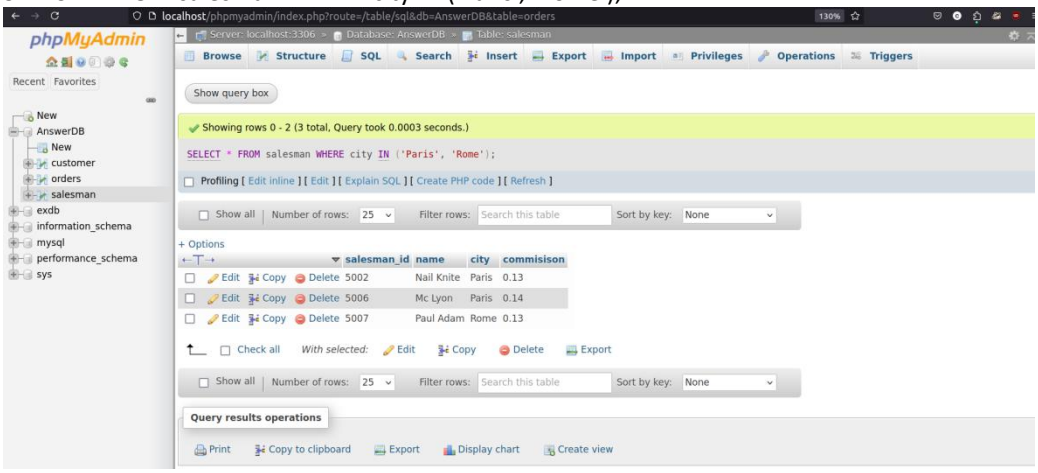
7. Write a SQL statement to display salesman_id, name, city and commission who gets the commission within the range more than 0.10% and less than 0.12%.

SELECT salesman_id, name, city, commission FROM salesman WHERE commission > 0.001 AND commission < 0.0012;



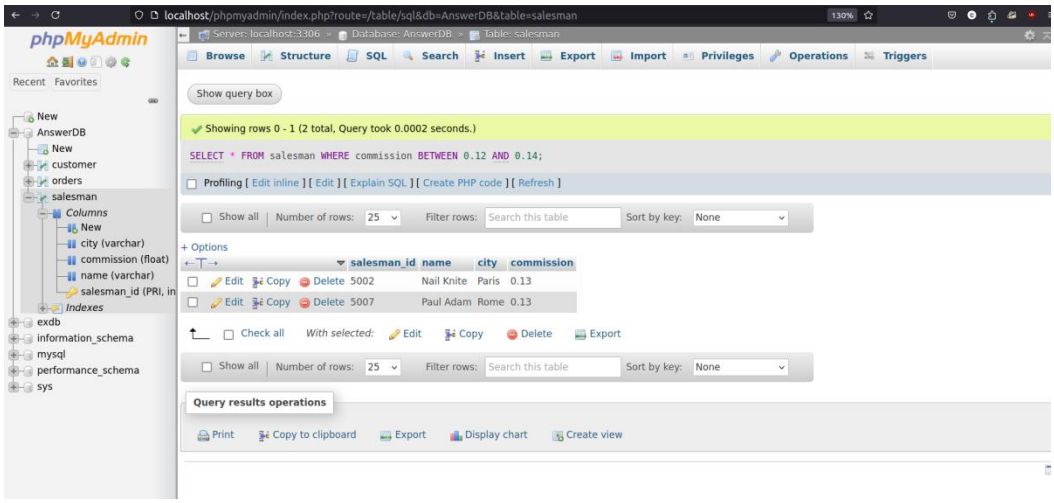
8. Write a query to filter those salesmen with all information who come from any of the cities Paris and Rome.

SELECT * FROM salesman WHERE city IN ('Paris', 'Rome');



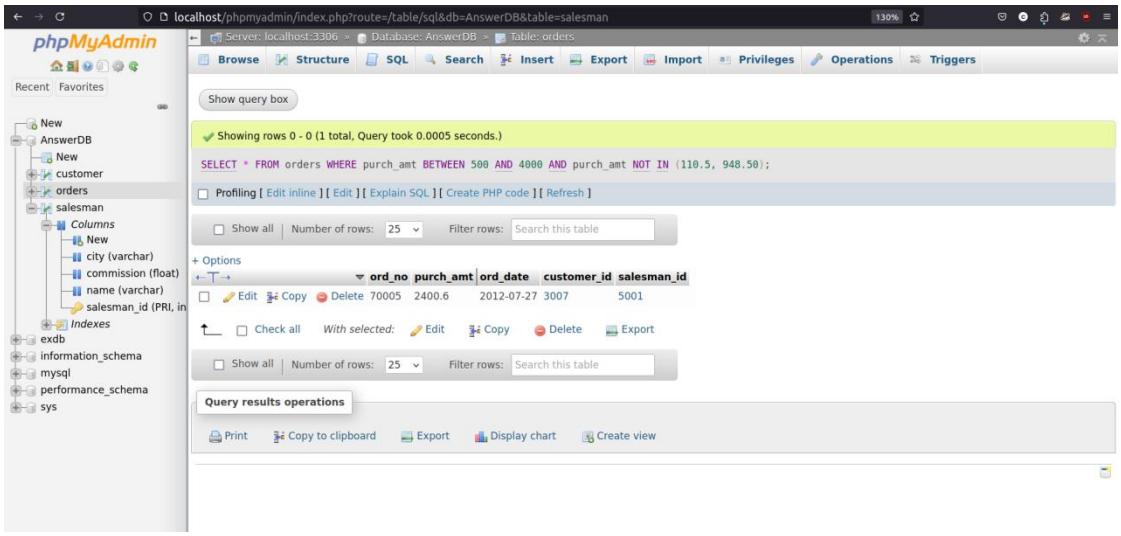
9. Write a SQL statement to find those salesmen with all information who get the commission within a range of 0.12 and 0.14.

SELECT * FROM salesman WHERE commission BETWEEN 0.12 AND 0.14;



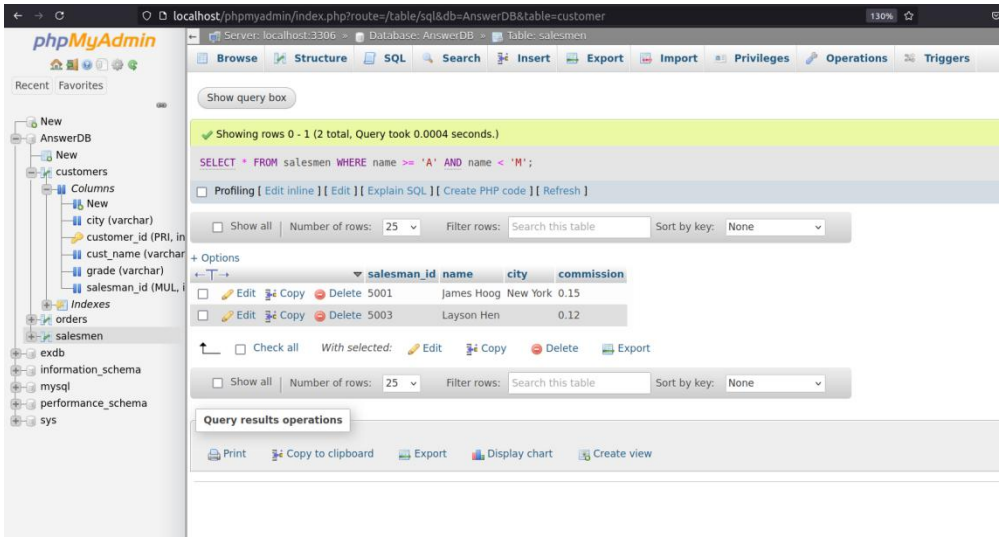
10. Write a query to filter all those orders with all information which purchase amount value is within the range 500 and 4000 except those orders of purchase amount value 110.5 and 948.50.

SELECT * FROM orders WHERE purch_amt BETWEEN 500 AND 4000 AND purch_amt NOT IN (110.5, 948.50);



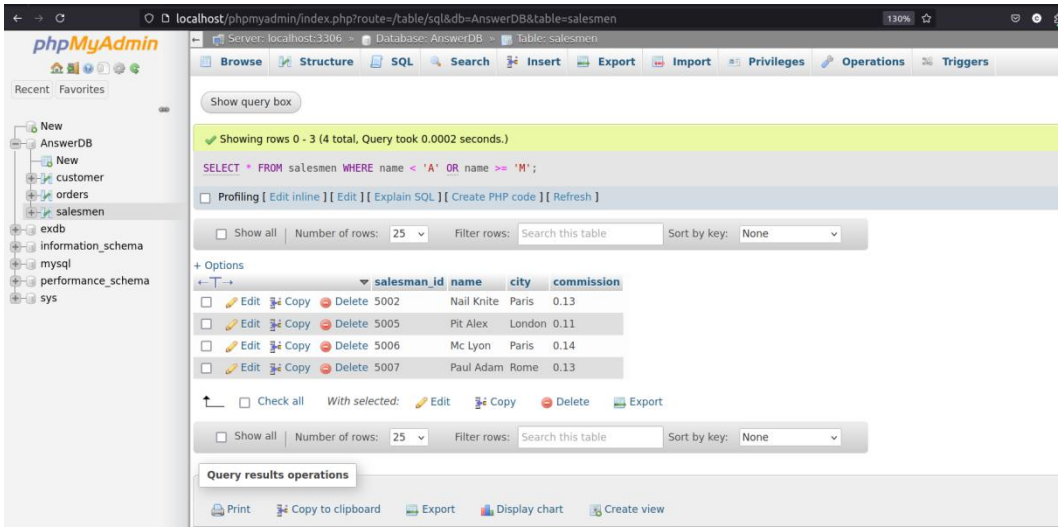
11. Write a SQL statement to find those salesmen with all other information and name started with any letter 'A' to 'L'.

SELECT * FROM salesmen WHERE name >= 'A' AND name < 'M';



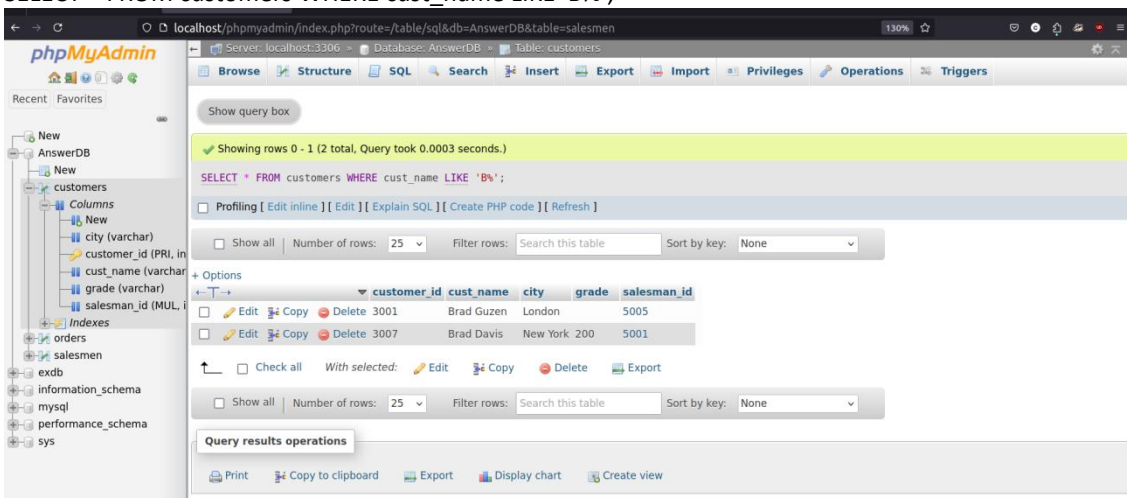
12. Write a SQL statement to find those salesmen with all other information and name started with letter other than 'A' to 'L'.

SELECT * FROM salesmen WHERE name < 'A' OR name >= 'M';



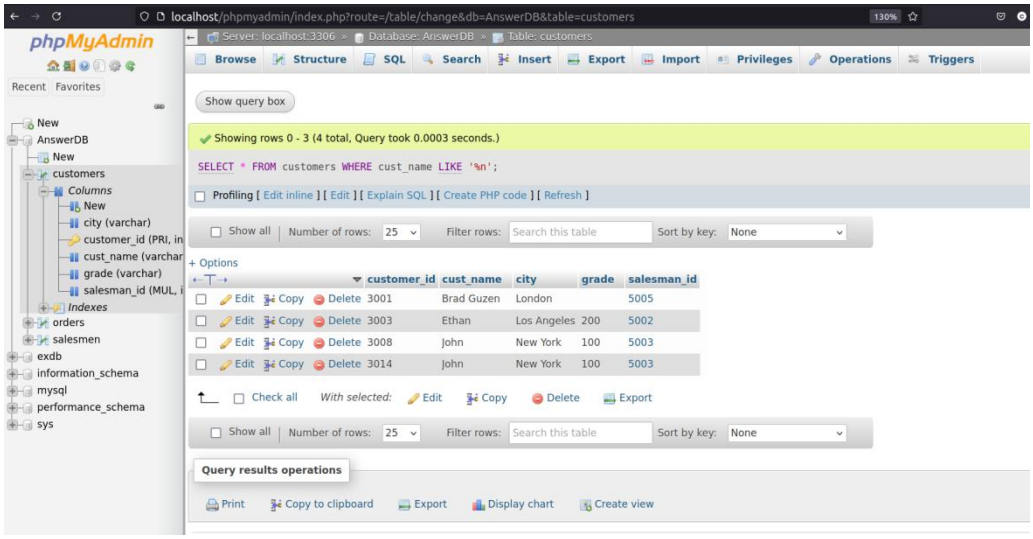
13. Write a SQL statement to find those customers with all information whose names begin with the letter 'B'.

SELECT * FROM customers WHERE cust_name LIKE 'B%';



14. Write a SQL statement to find all those customers with all information whose names are ending with the letter 'n'. (To test the query you can insert few records with names that end in ‘n’)

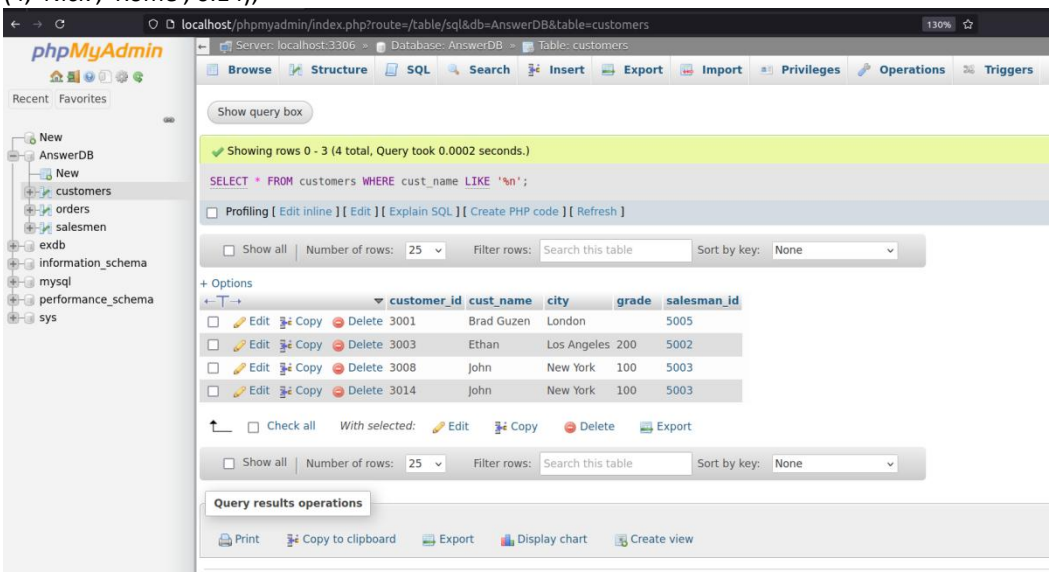
SELECT * FROM customers WHERE cust_name LIKE '%n';



15. Write a SQL statement to find those salesmen with all information whose names contain only four characters, in which 1st character must be 'N' and 4th character is ‘l’ and rests may be any character.

SELECT * FROM customers WHERE cust_name LIKE '%n';

-- sample records into the salesman table
INSERT INTO salesmen (salesman_id, name, city, commission) VALUES
(1, 'Nail', 'Paris', 0.13),
(3, 'Noll', 'Berlin', 0.12),
(4, 'Nick', 'Rome', 0.14);



16. Write a SQL statement to find those rows from the table testtable which contain the escape character underscore (_) in its column 'col1'.

SELECT * FROM testtable WHERE col1 LIKE ' %_% ' ESCAPE ' \ ';

---

17. Write a SQL statement to find those customer with all information who do not get any grades except NULL.

SELECT * FROM customer WHERE grade IS NULL;