SAKSHI ROY

1BM19CS140

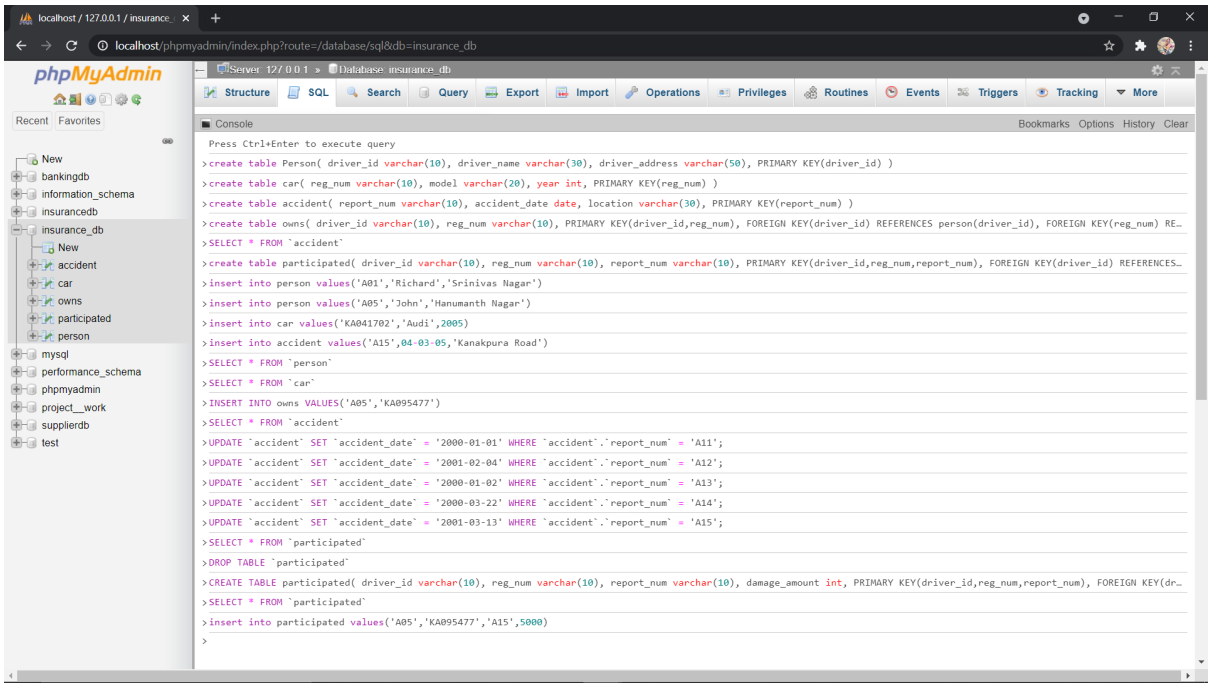
CSE DEPARTMENT

4- C

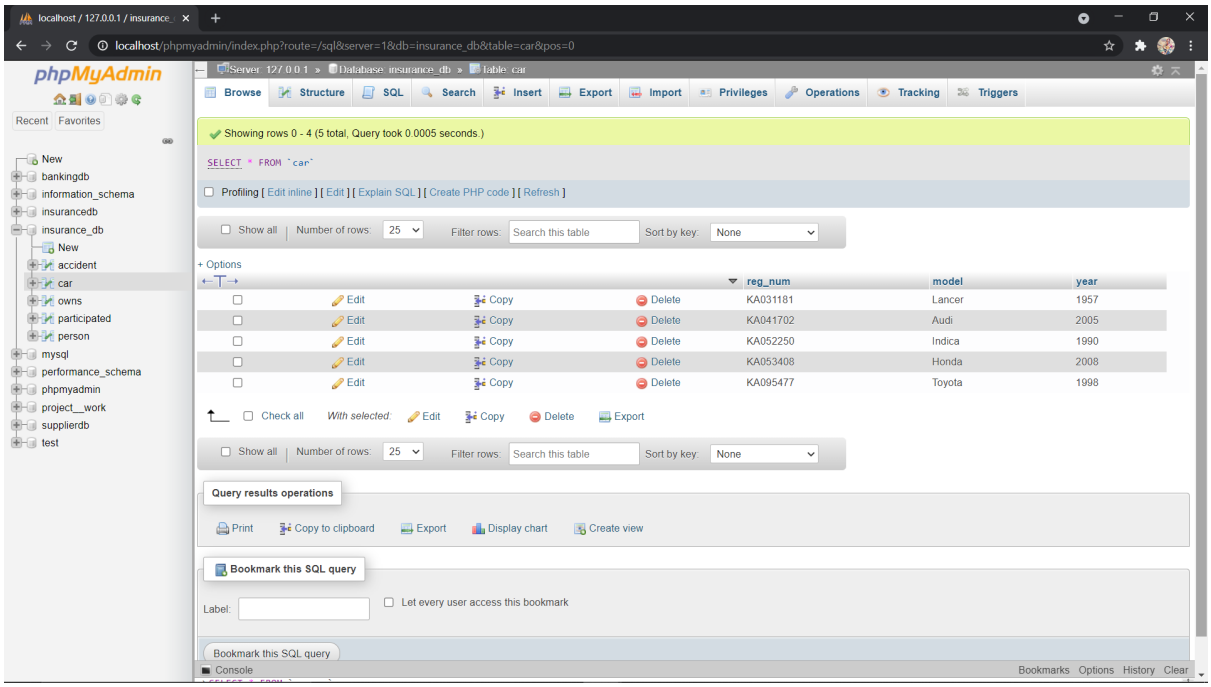
DBMS LAB RECORD

LAB1

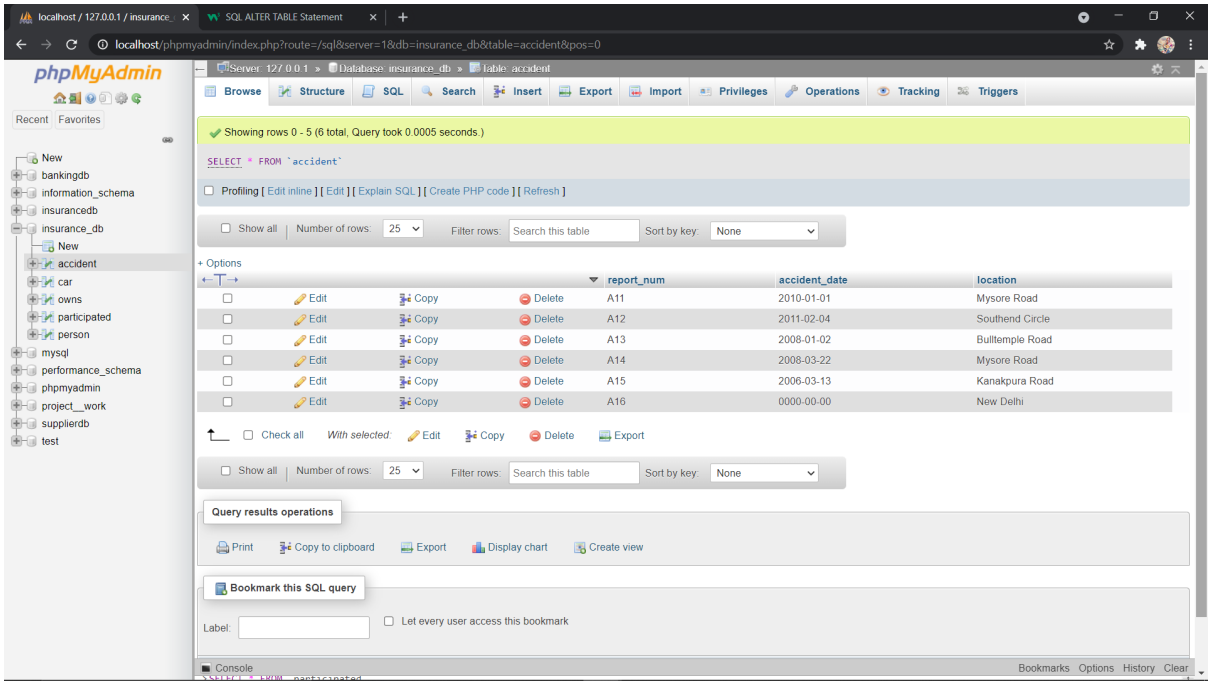
TABLES(QUERY)



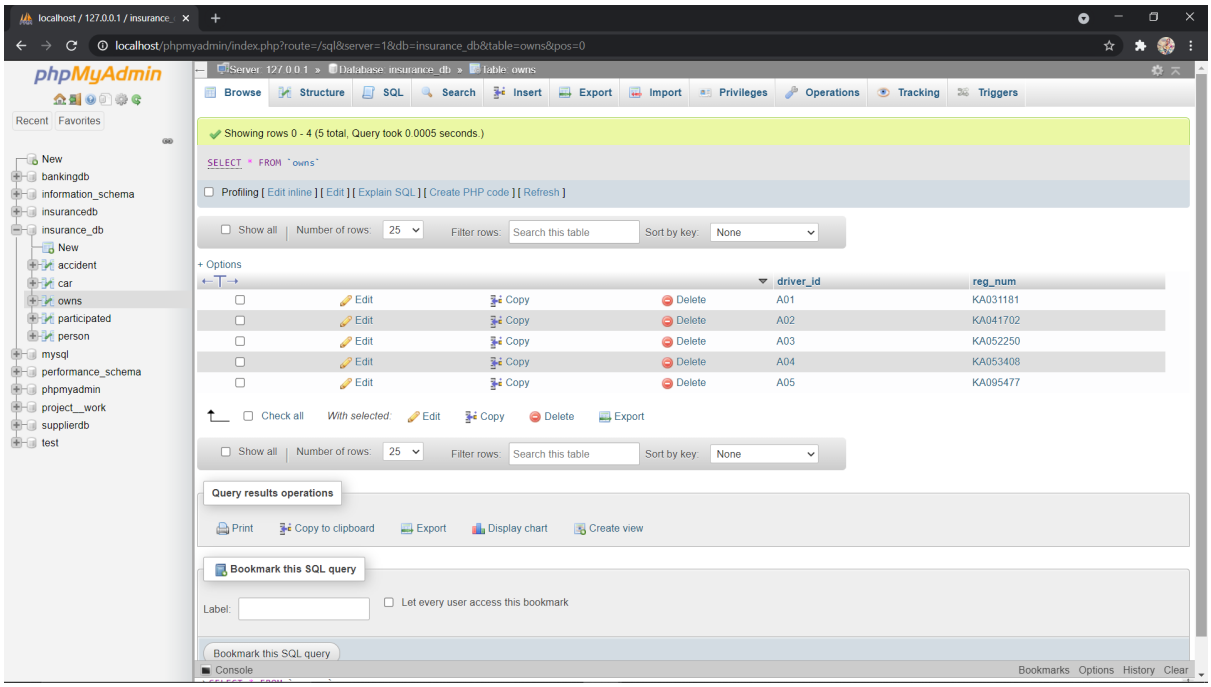
PERSON TABLE



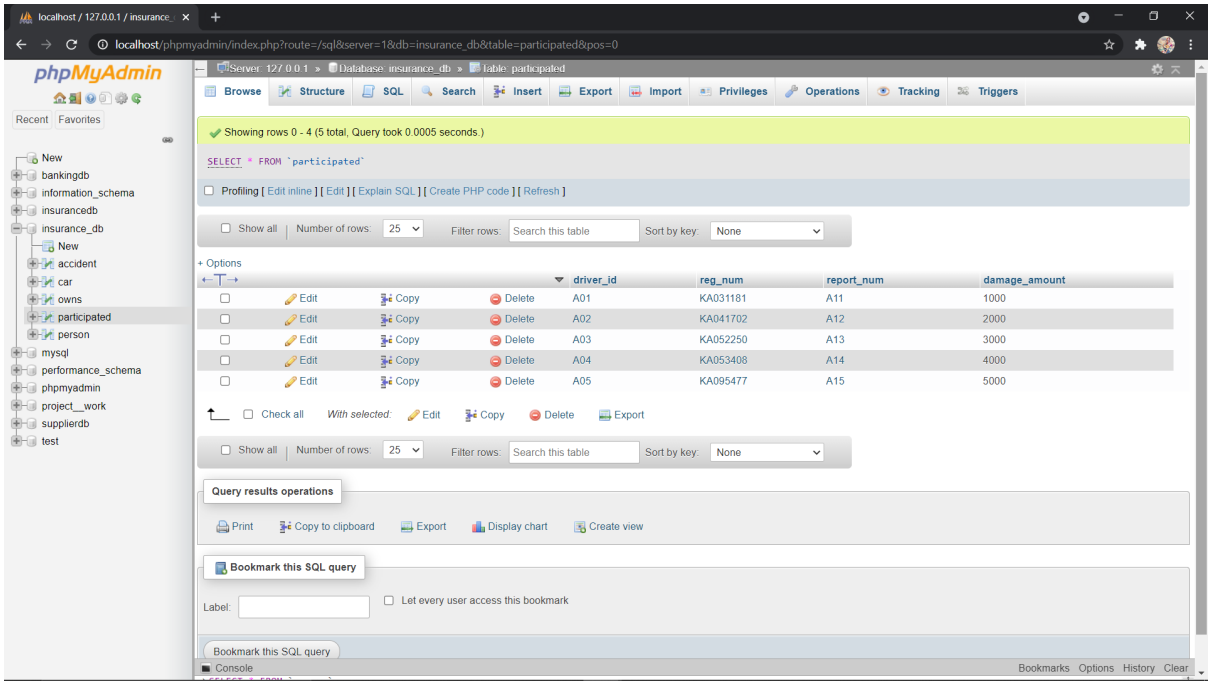
CAR TABLE



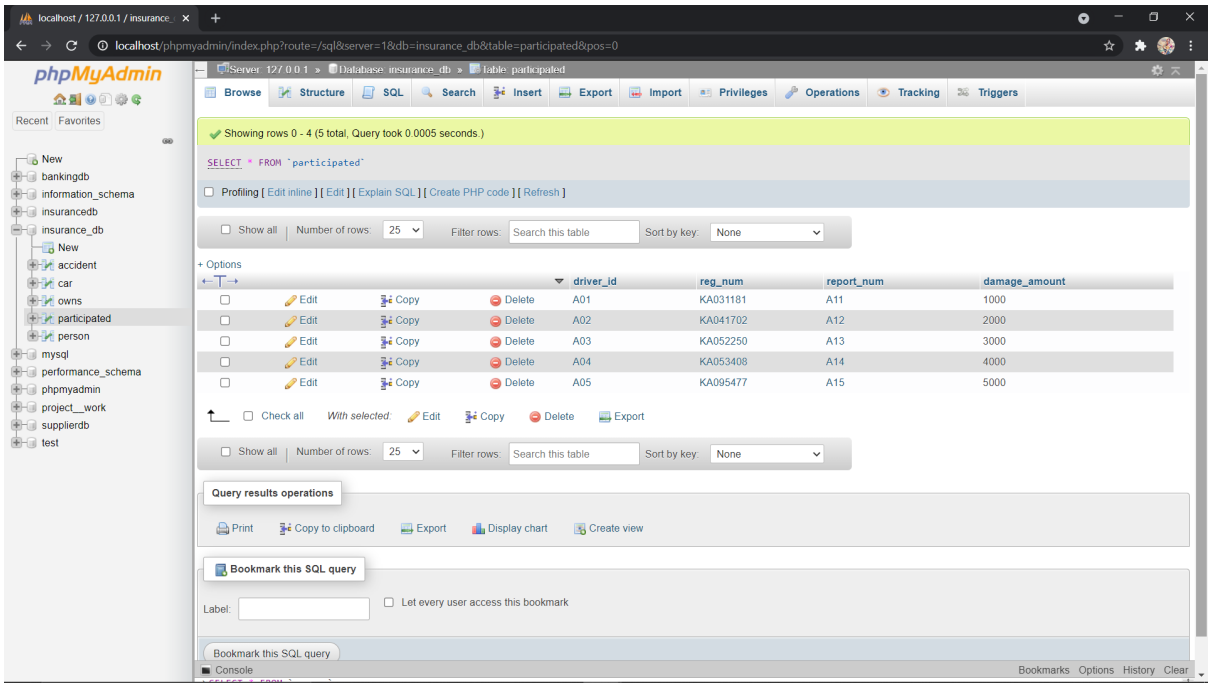
ACCIDENT TABLE



OWNS TABLE



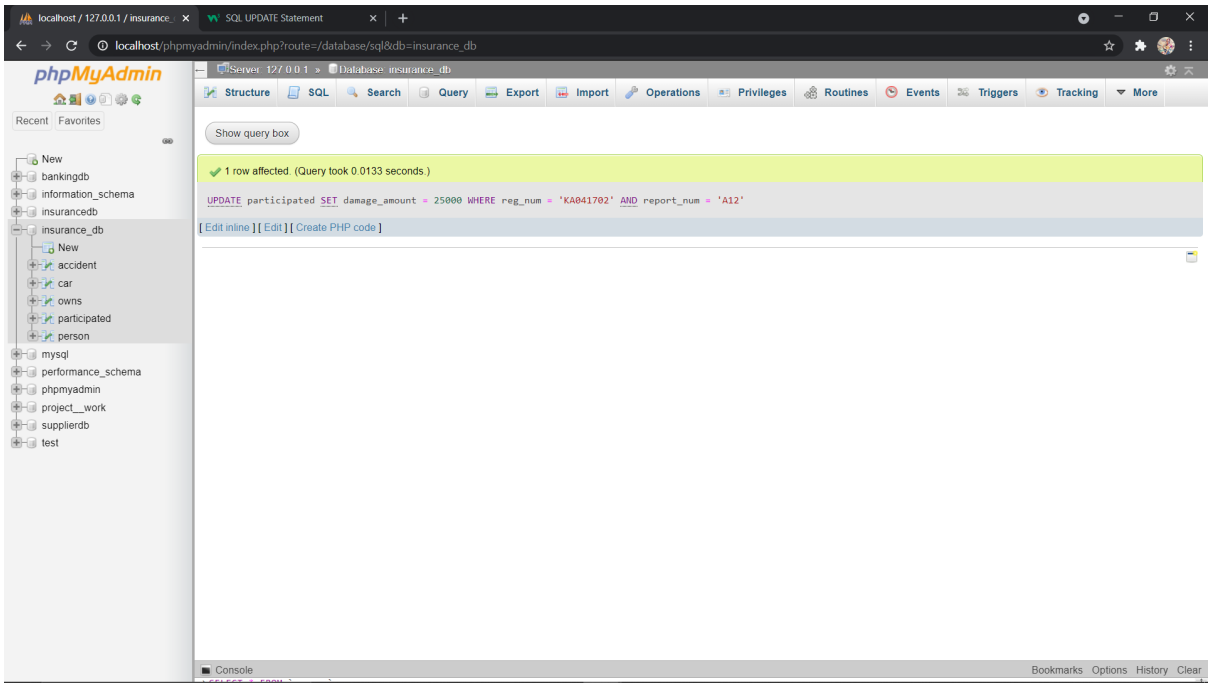
PARTICIPATED TABLE

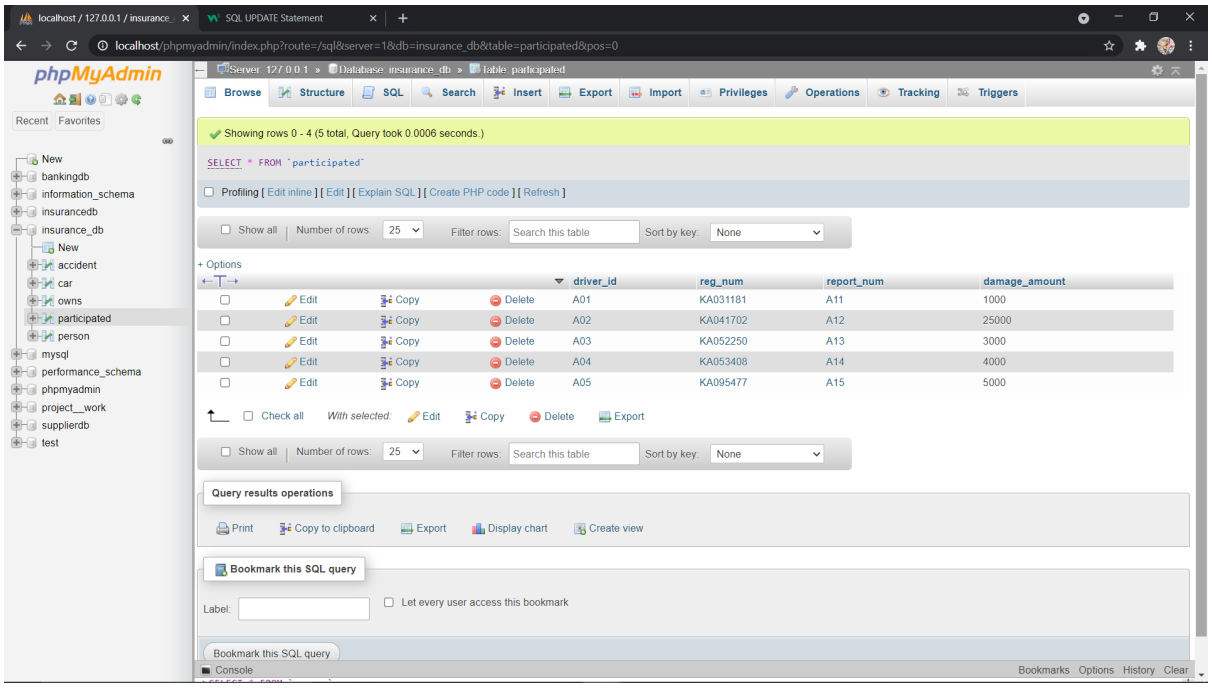


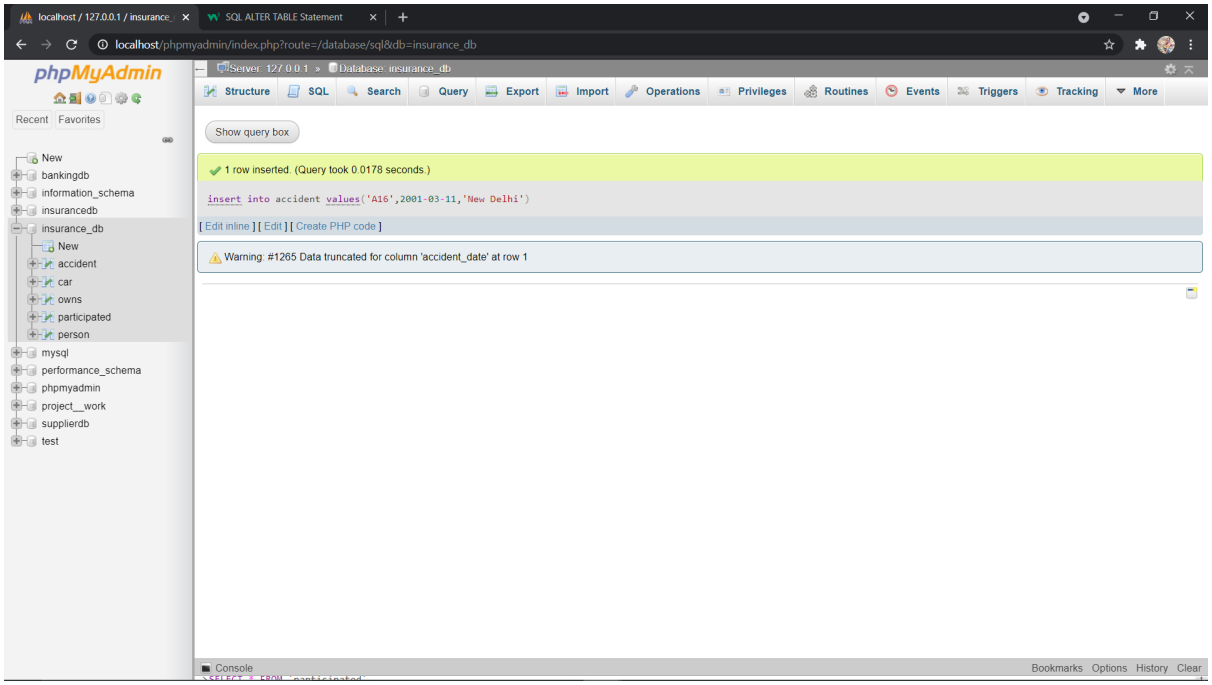
Demonstrate how you

a. Update the damage amount to 25000 for the car with a specific reg-num(example 'KA053408') for which the accident report number was 12.

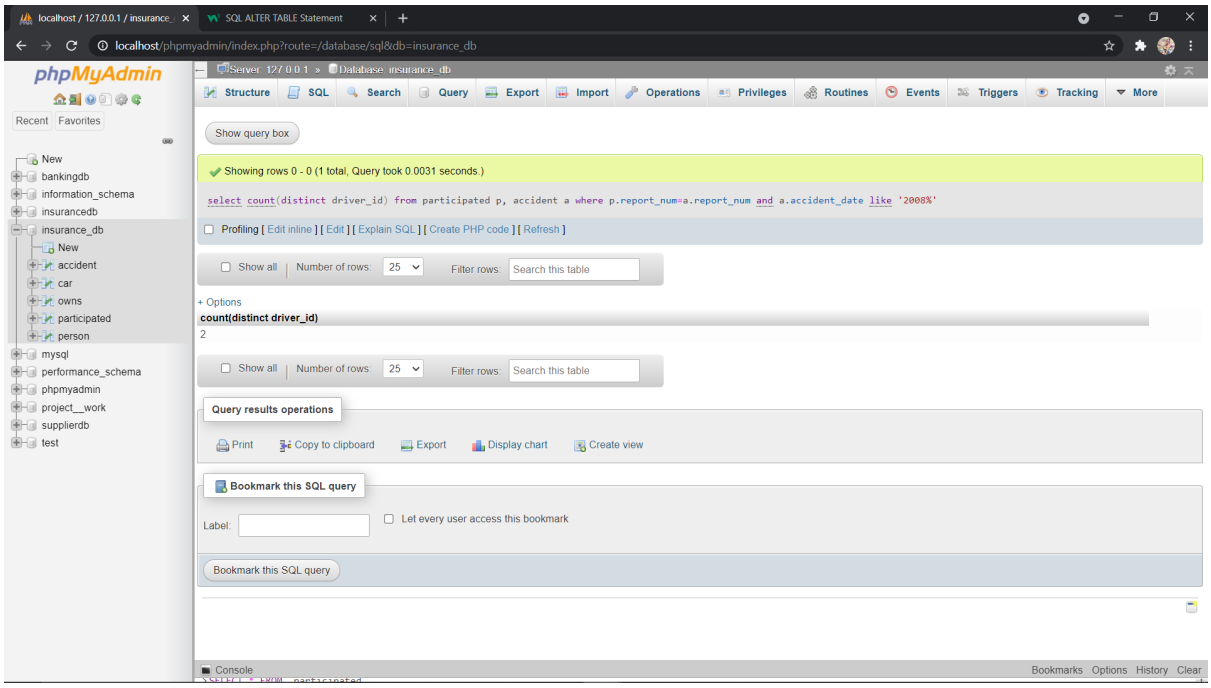
b. Add a new accident to the database



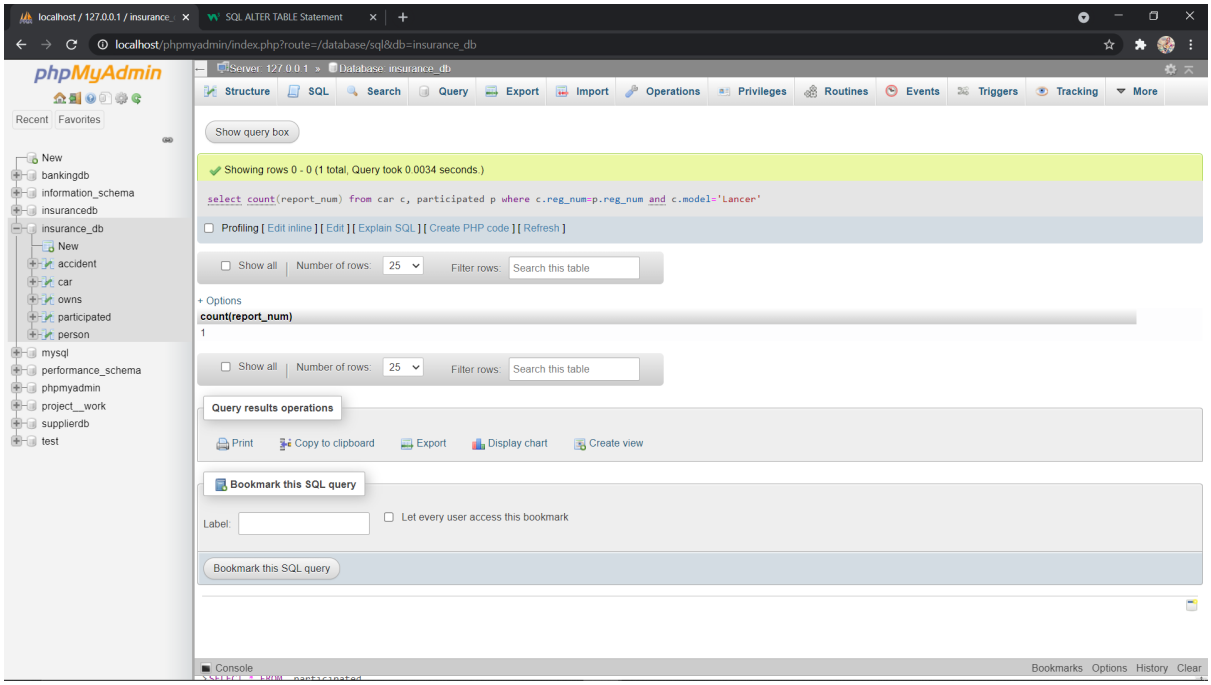




Find the total number of people who owned cars that involved in accidents in 2008.



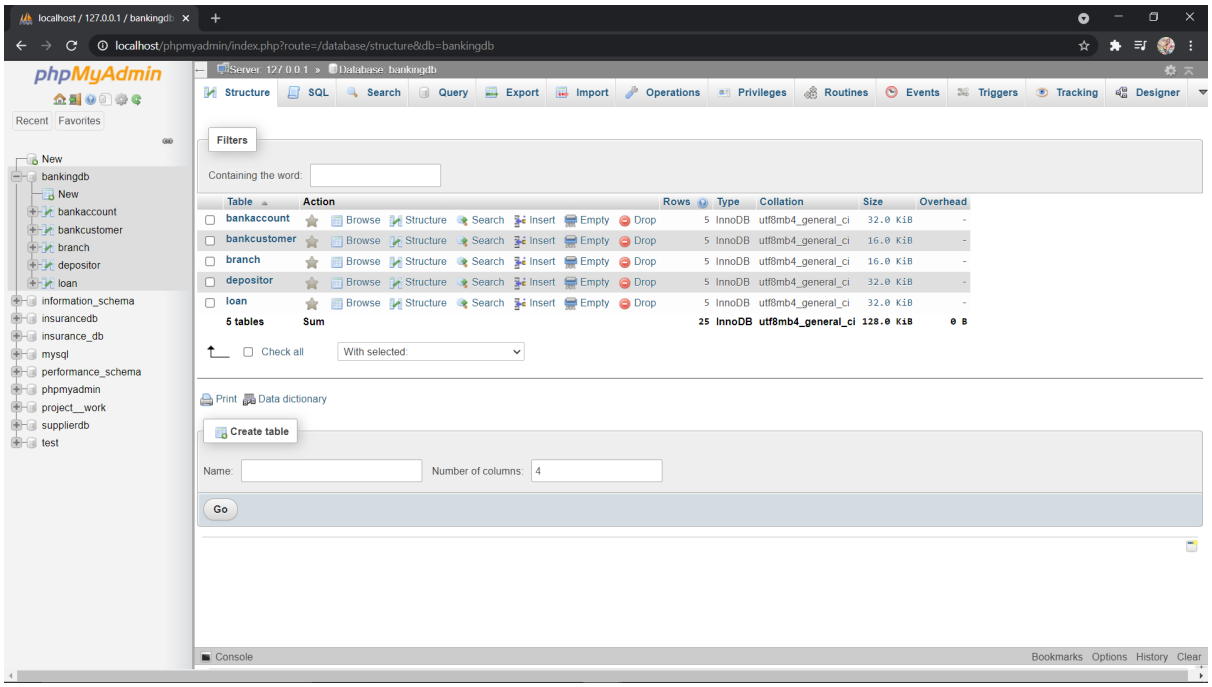
Find the number of accidents in which cars belonging to a specific model example were involved.



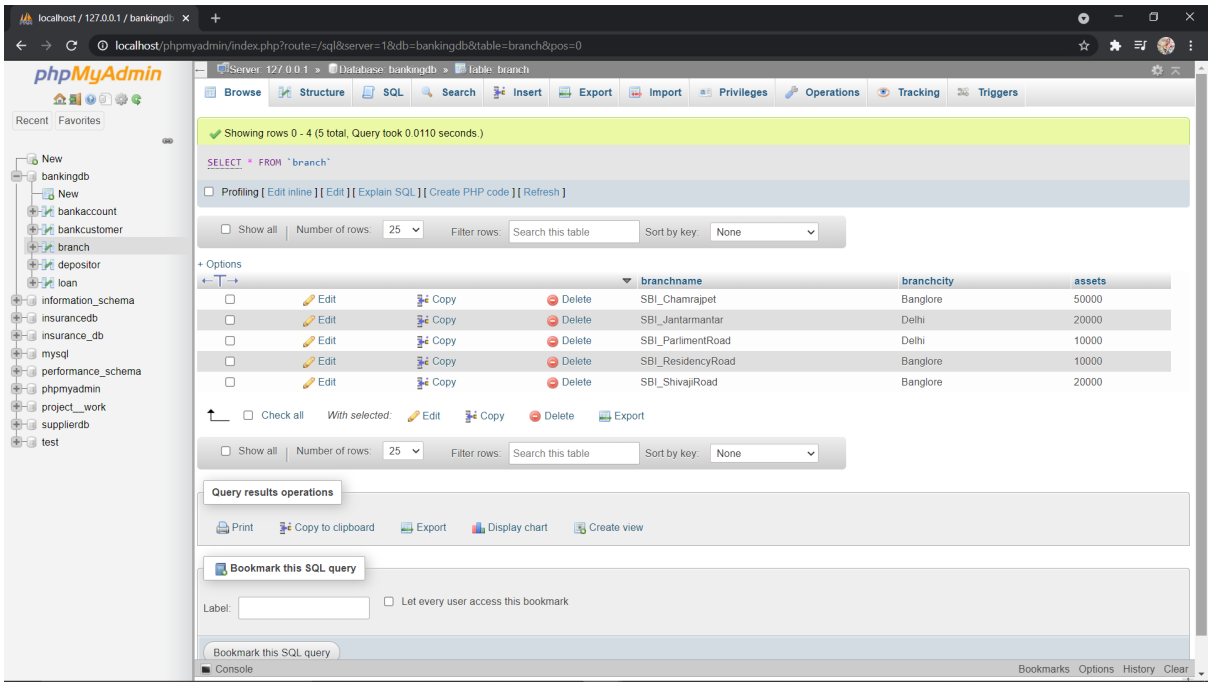
LAB 2

TABLES

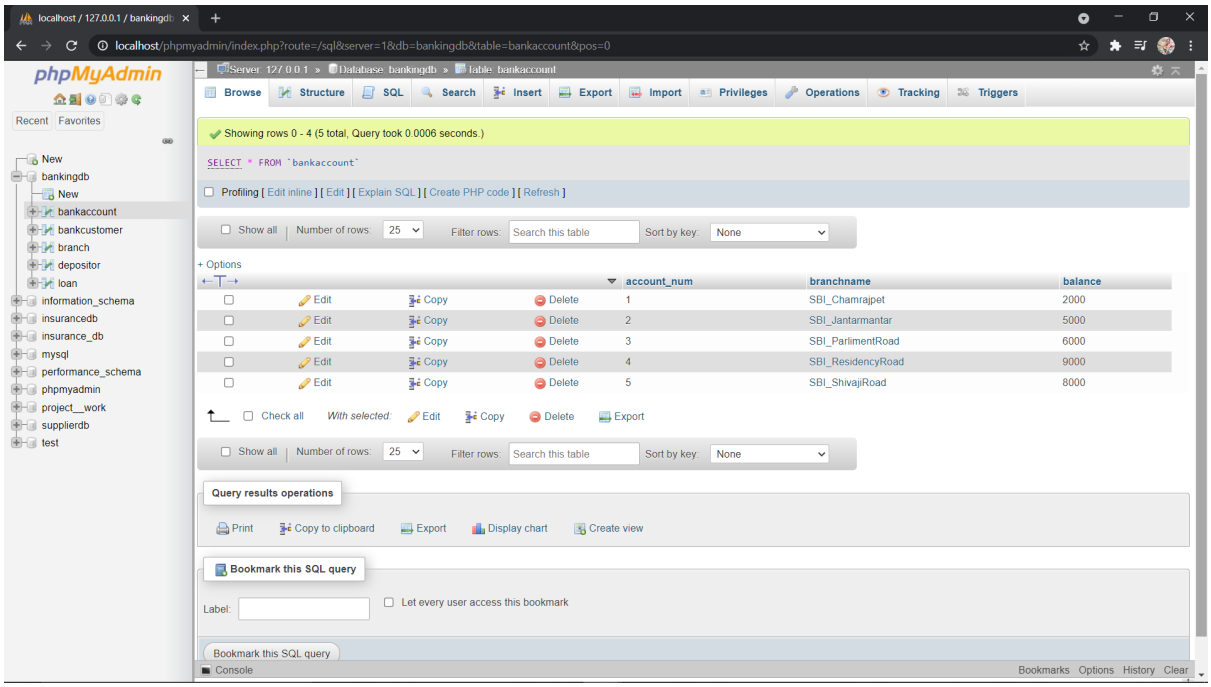
BANKING DATABASE



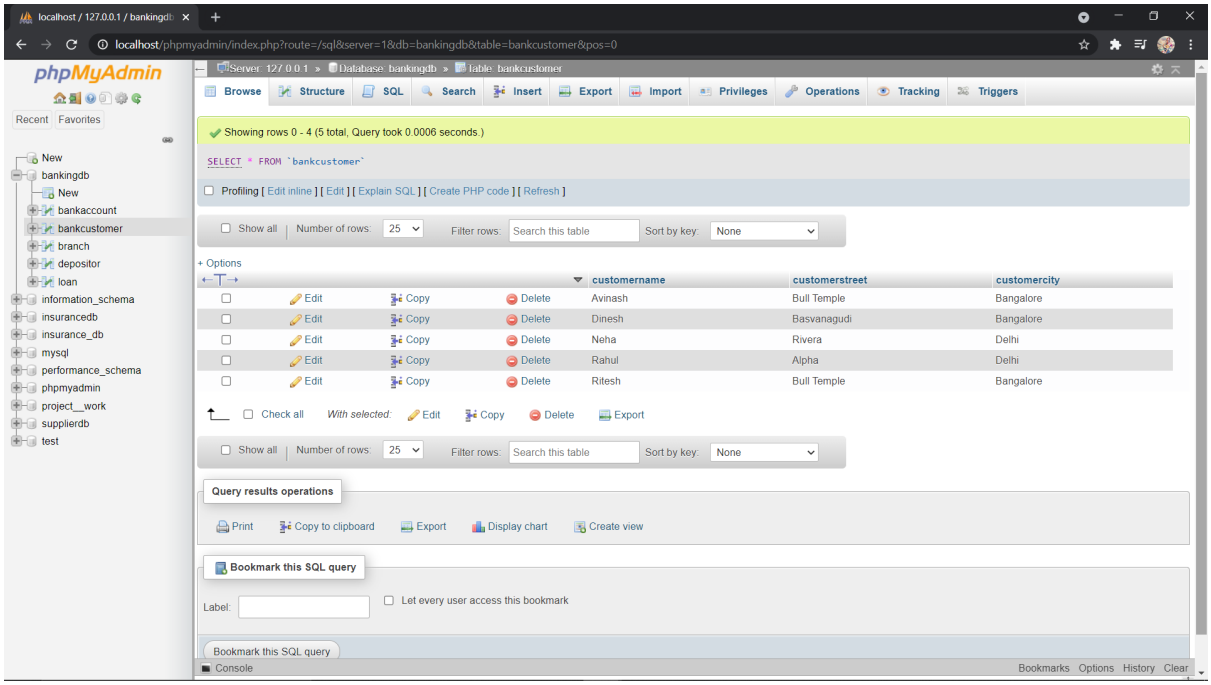
BRANCH TABLE



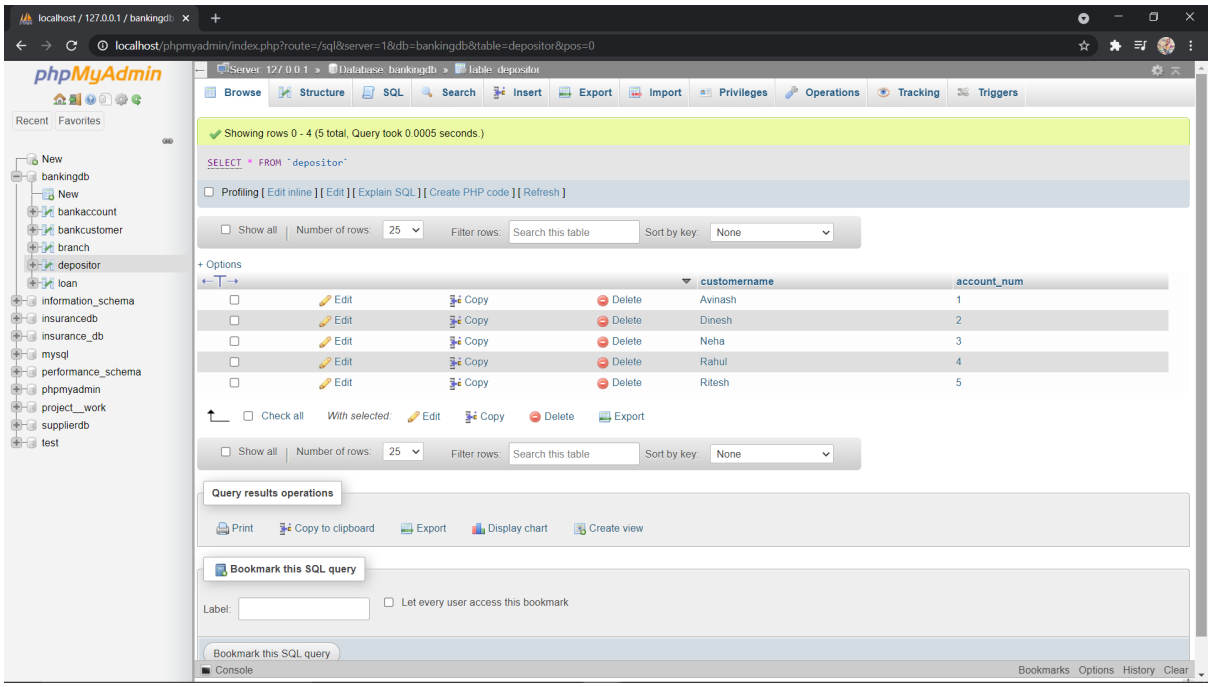
BANK ACCOUNT TABLE



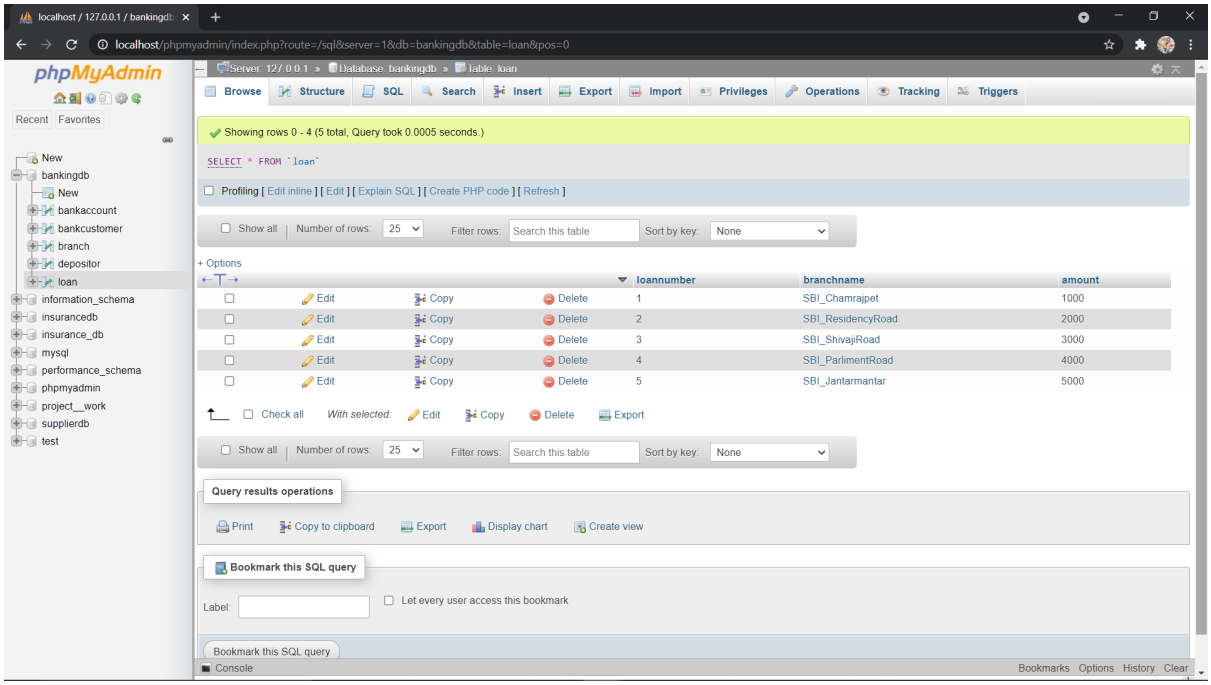
BANK CUSTOMER TABLE



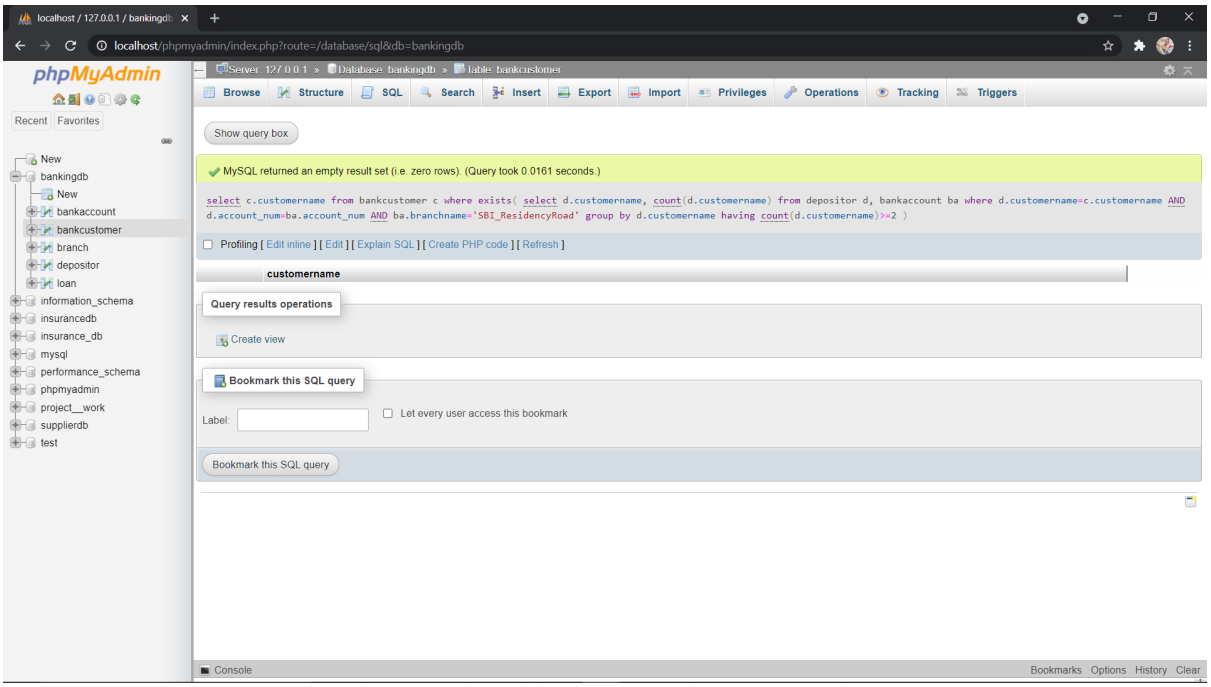
DEPOSITOR TABLE



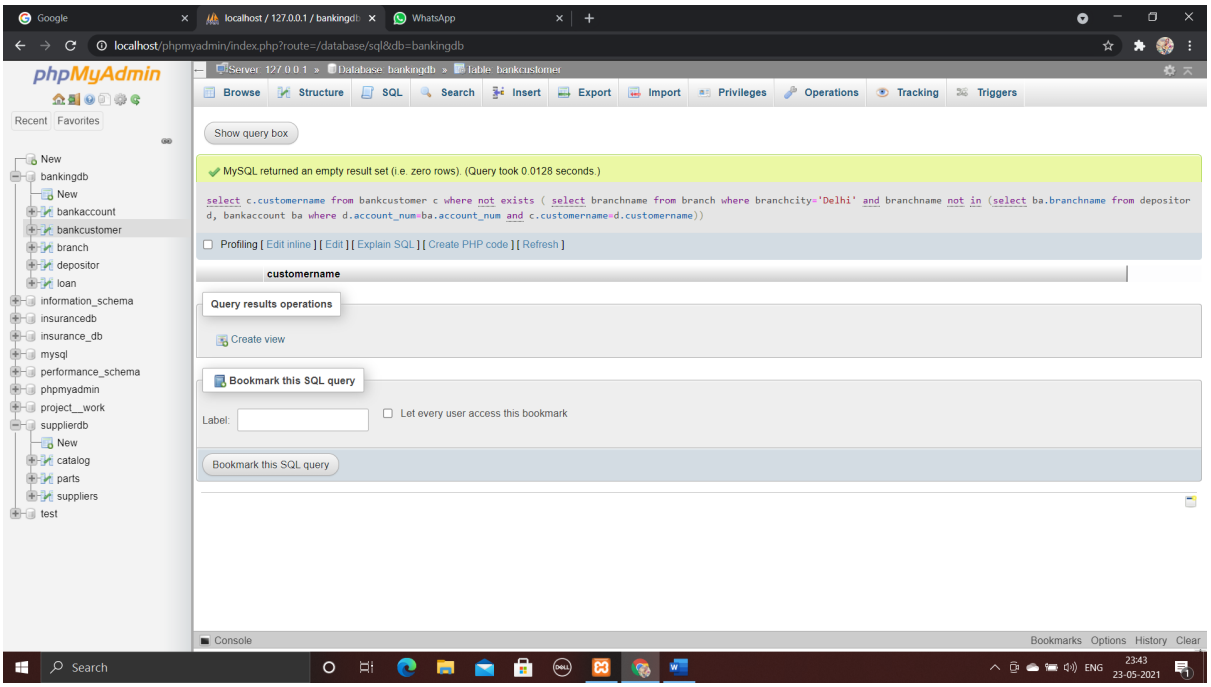
LOAN TABLE



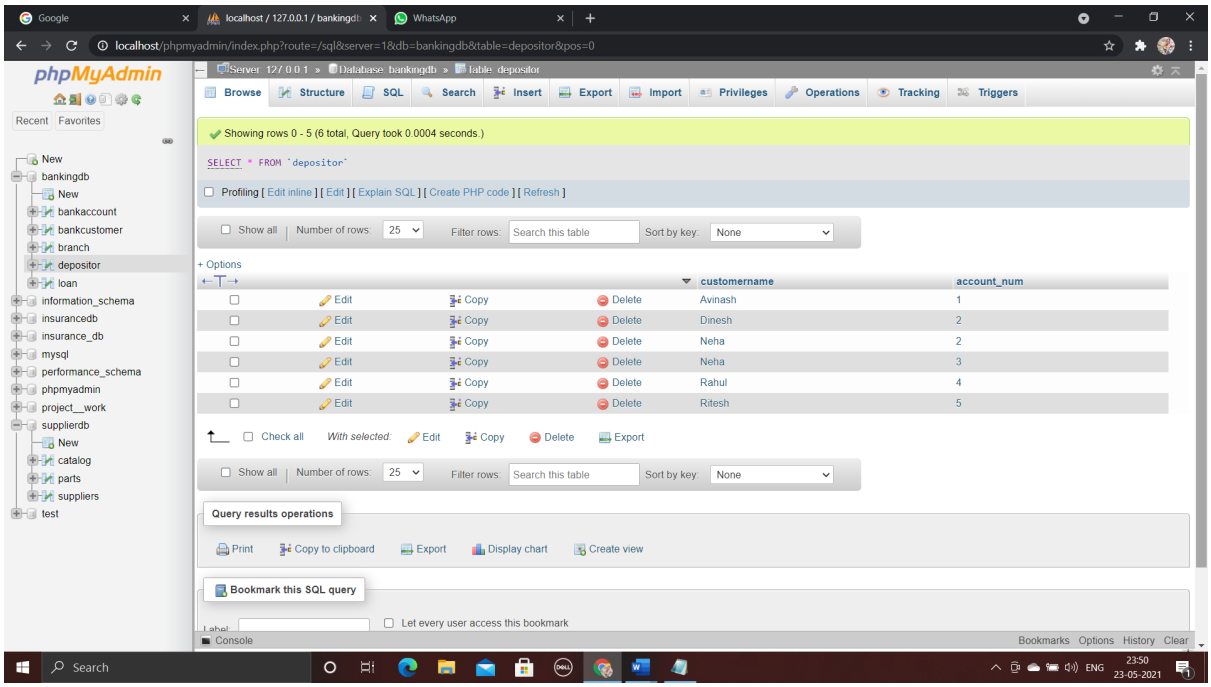
Find all the customers who have at least two accounts at the *Main* branch (ex. SBI_ResidencyRoad).



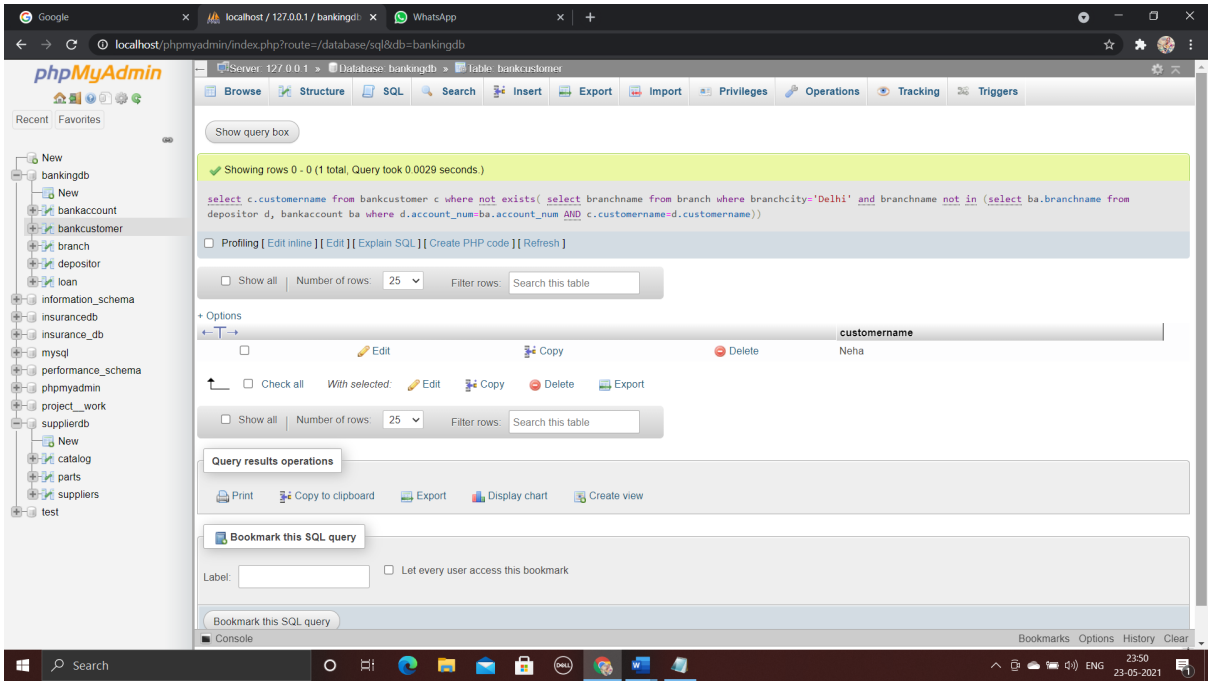
Find all the customers who have an account at *all* the branches located in a specific city (Ex. Delhi).



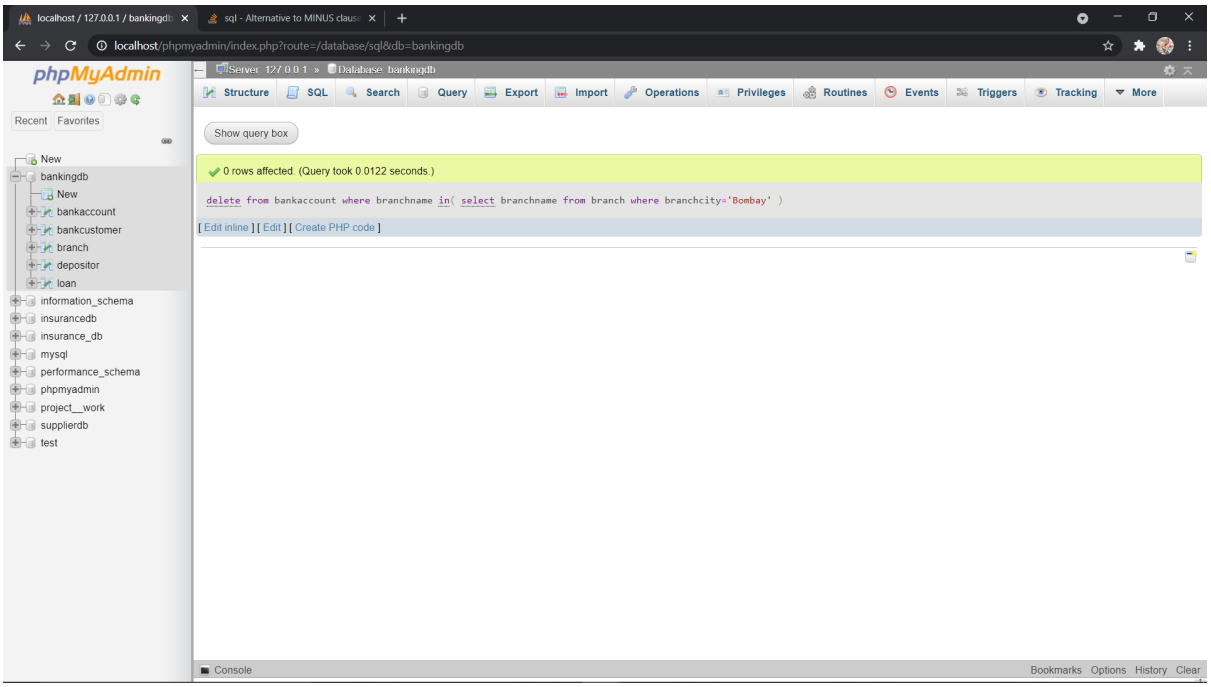
IF DEPOSITOR TABLE LOOKS LIKE



THEN OUTPUT IS



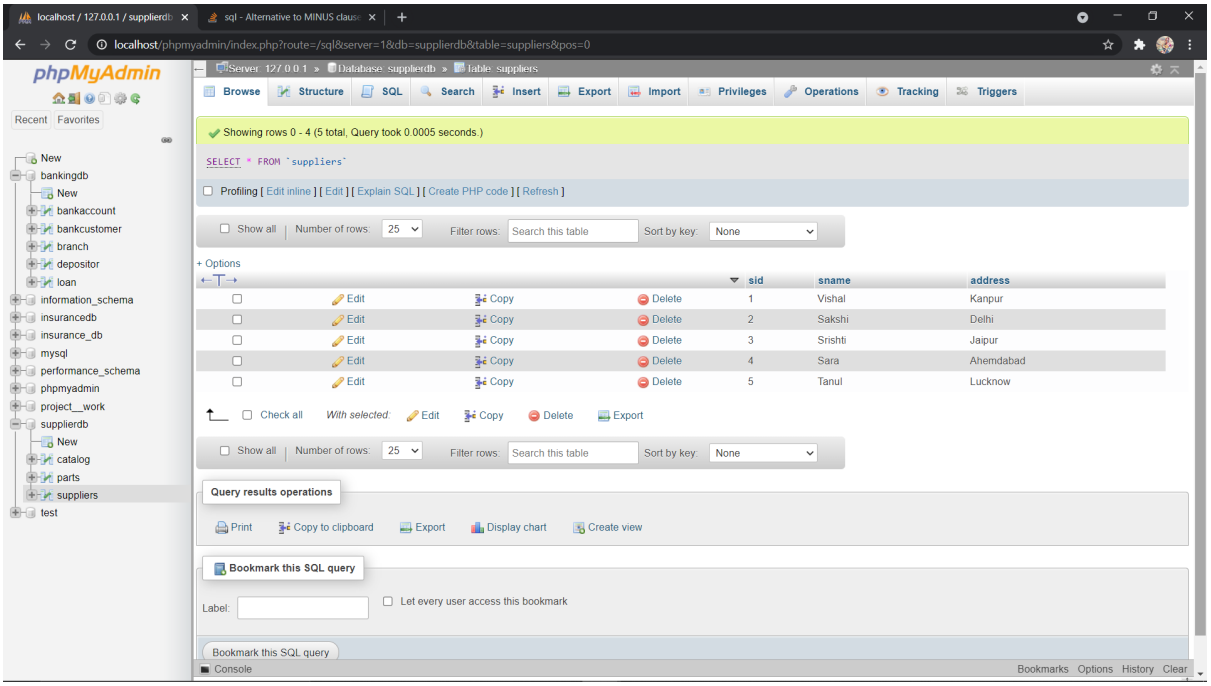
Demonstrate how you delete all account tuples at every branch located in a specific city (Ex. Bombay).



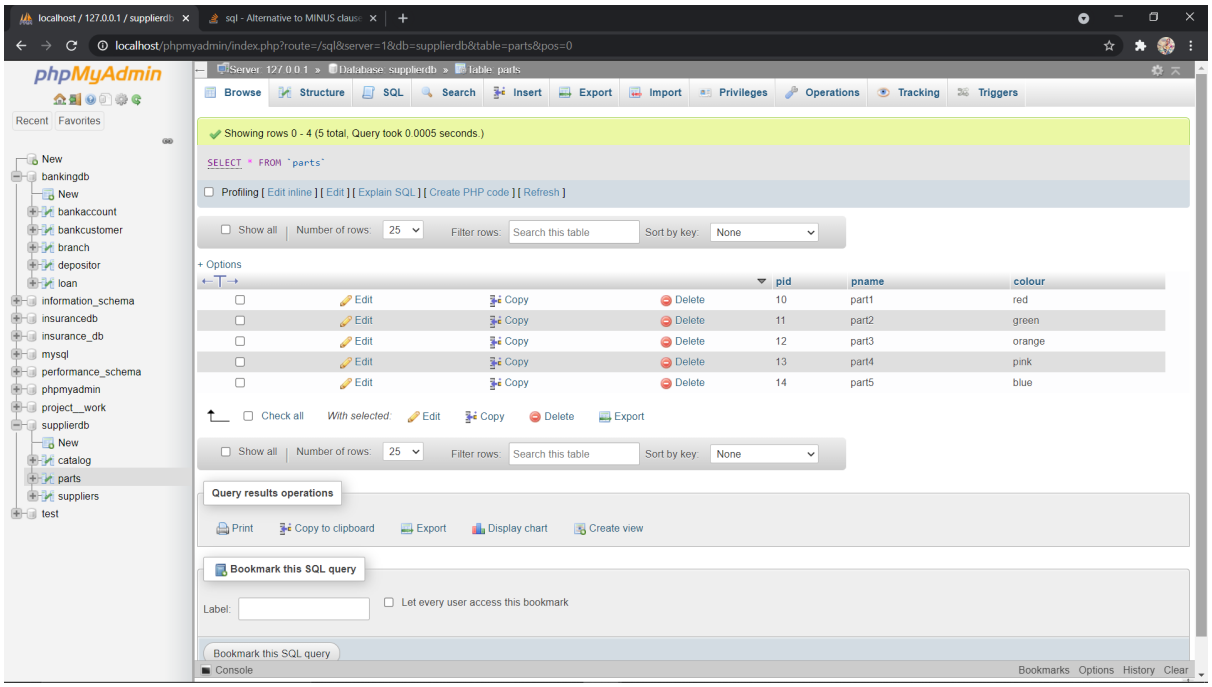
LAB 3

TABLES

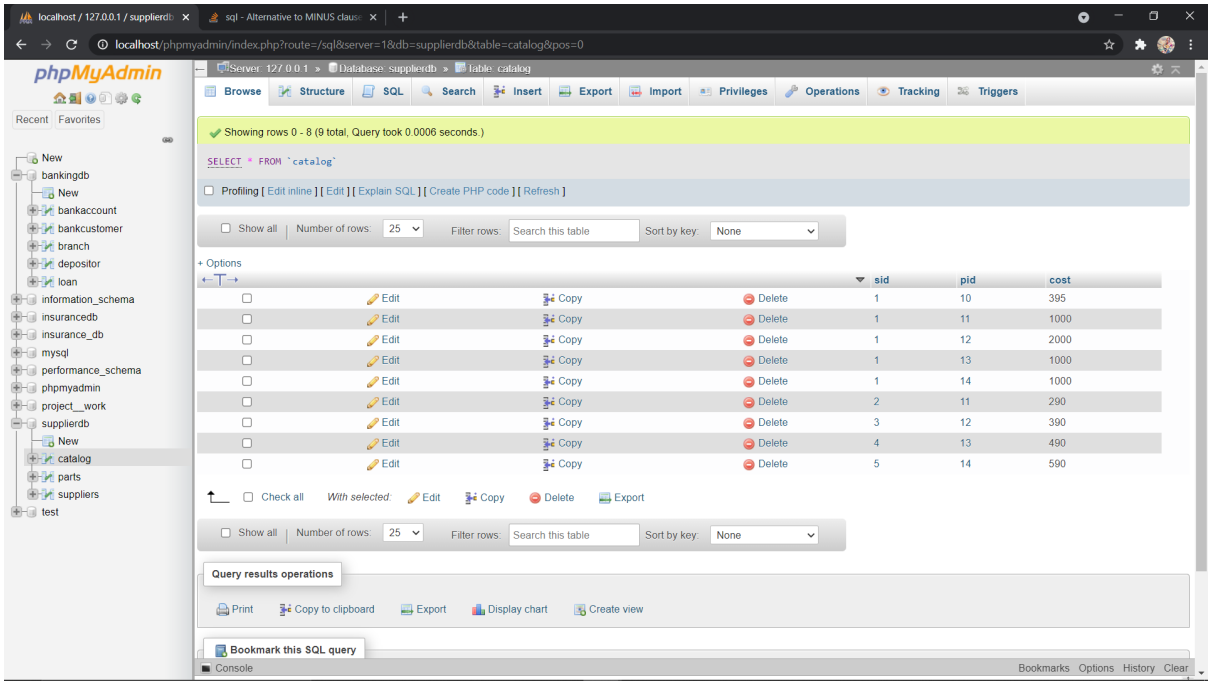
SUPPLIER TABLE



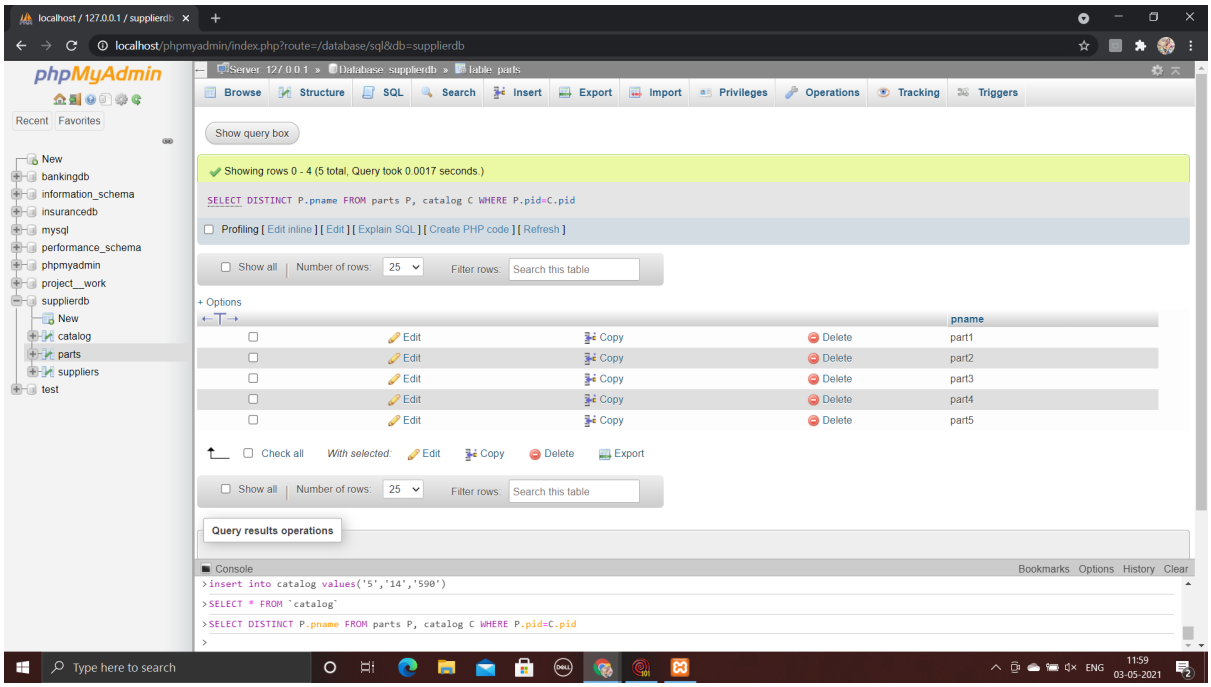
PARTS TABLE



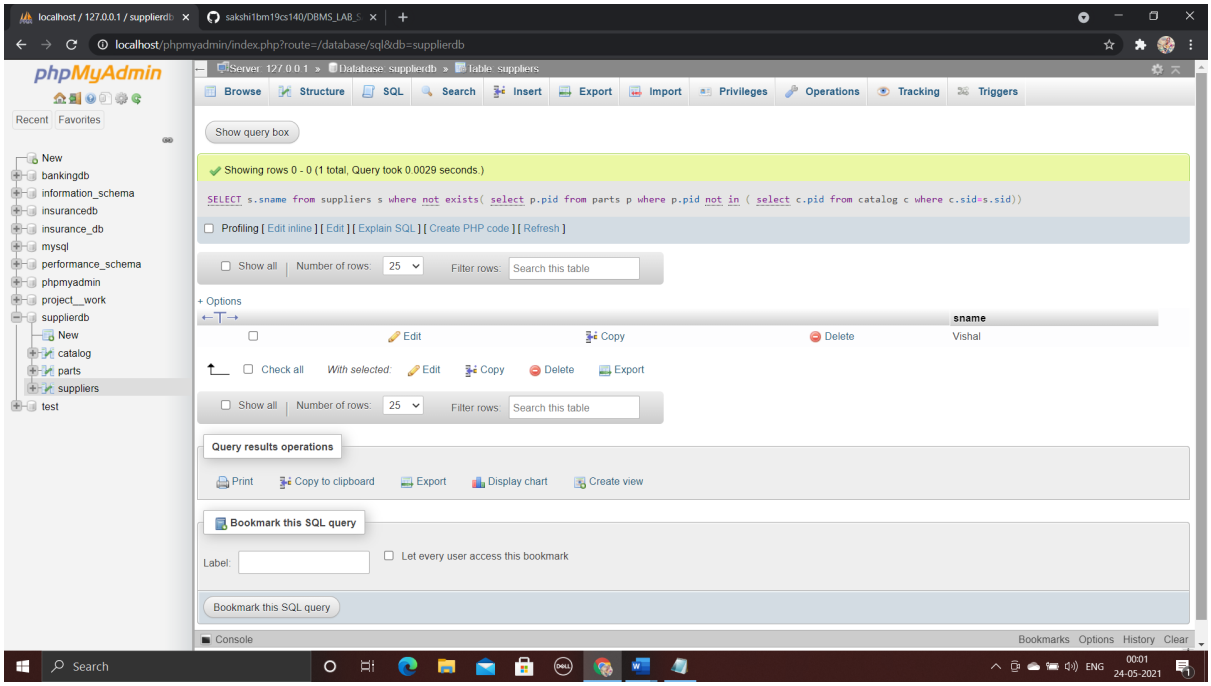
CATALOG TABLE



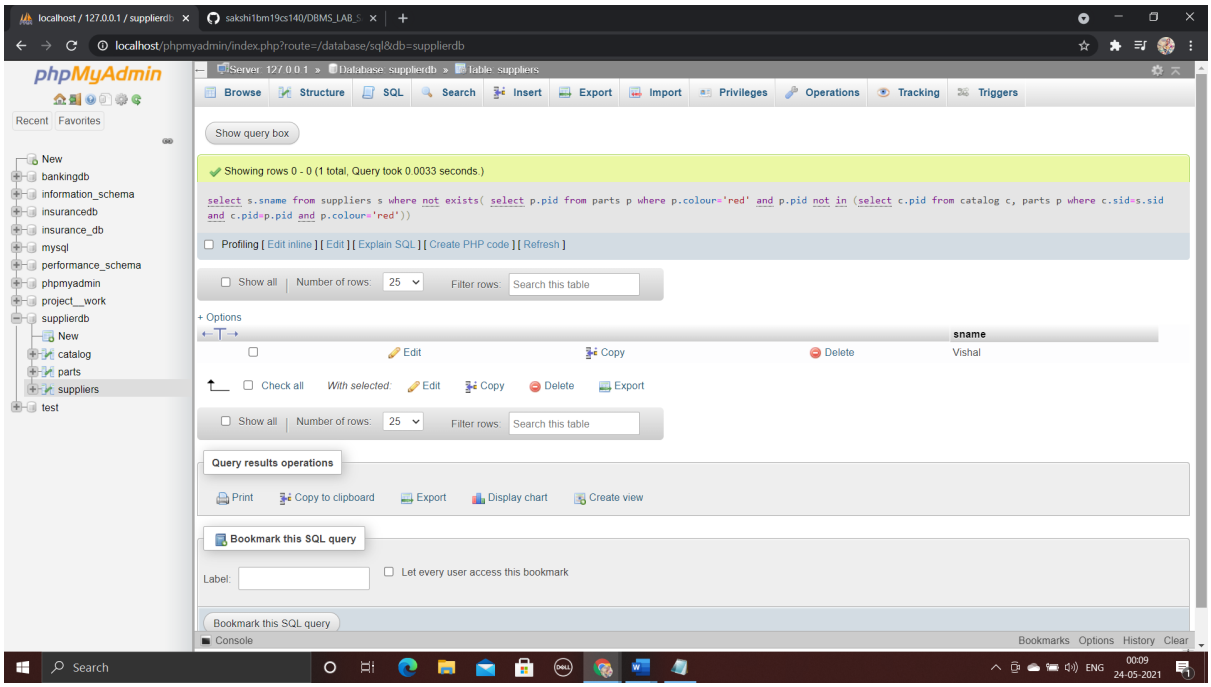
Find names of parts for which there is some supplier:



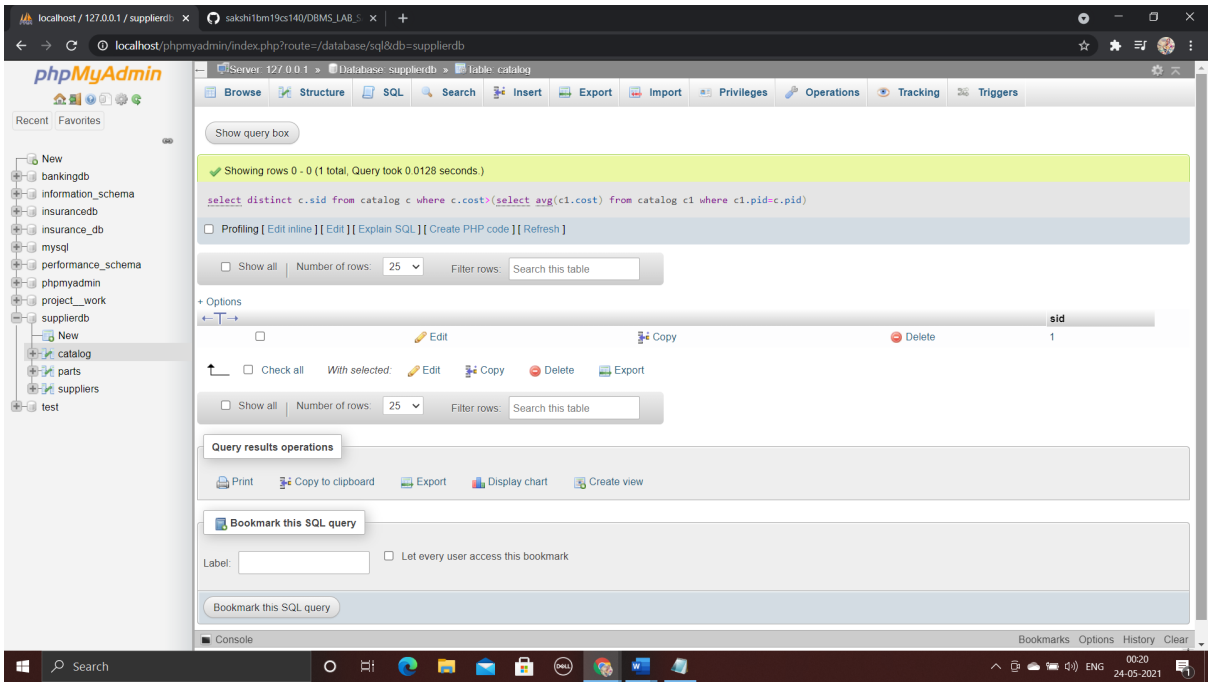
Find the names of the suppliers who supply every part:



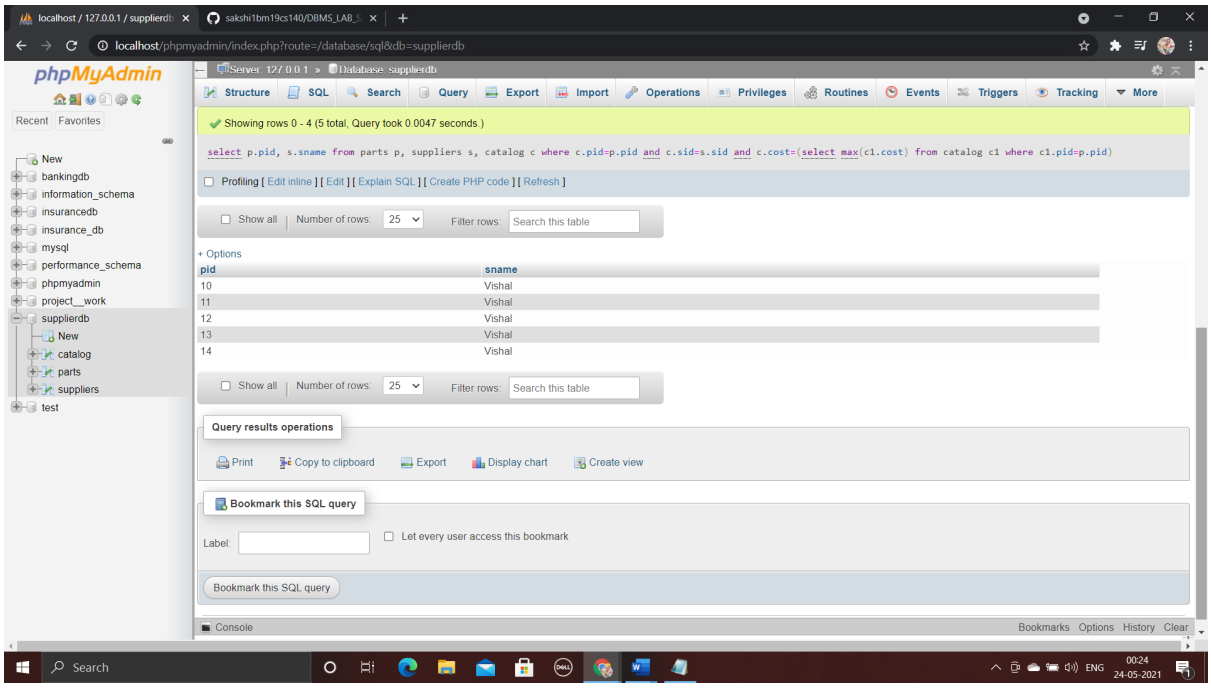
Find the names of suppliers who supply every red part.



Find the ids of suppliers who charge more for some part than the average cost of that part (averaged over all the suppliers who supply that part).



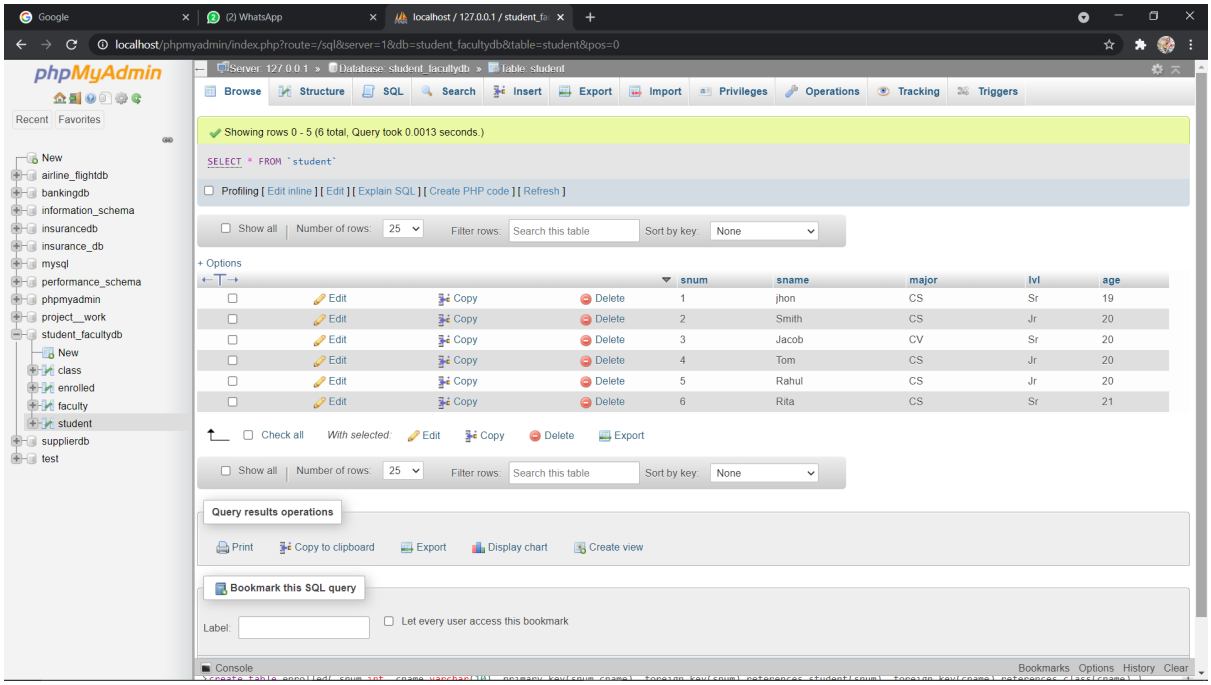
For each part, find the name of the supplier who charges the most for that part.



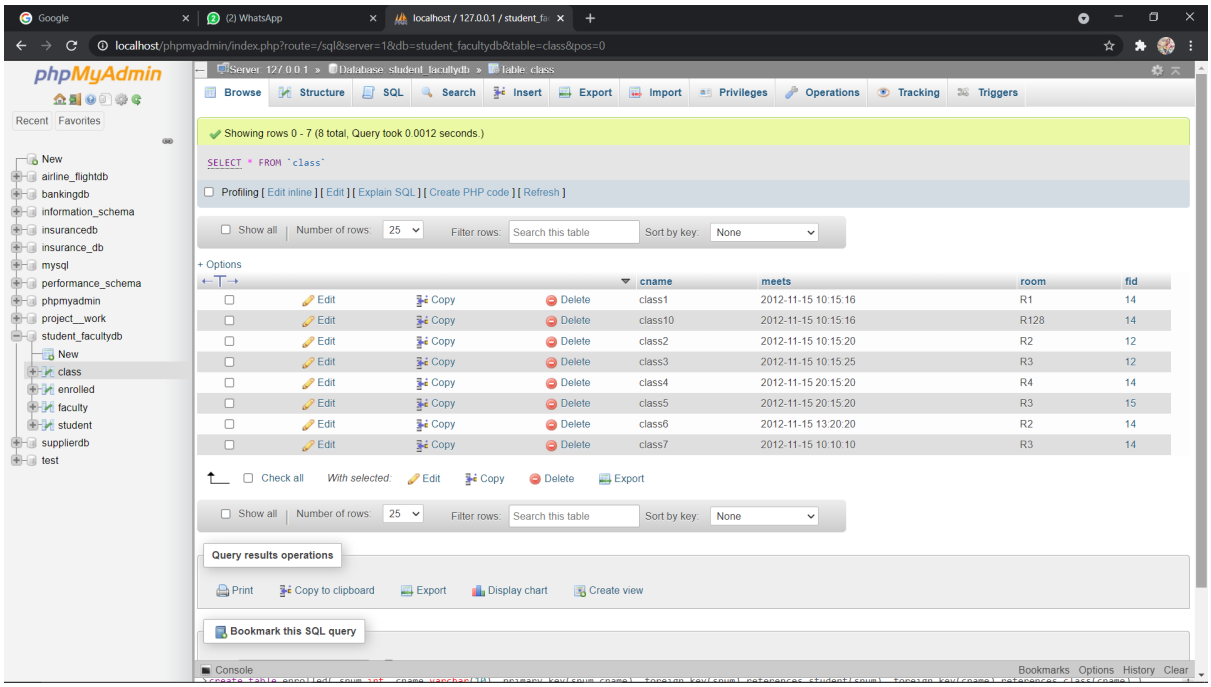
LAB 4

TABLES

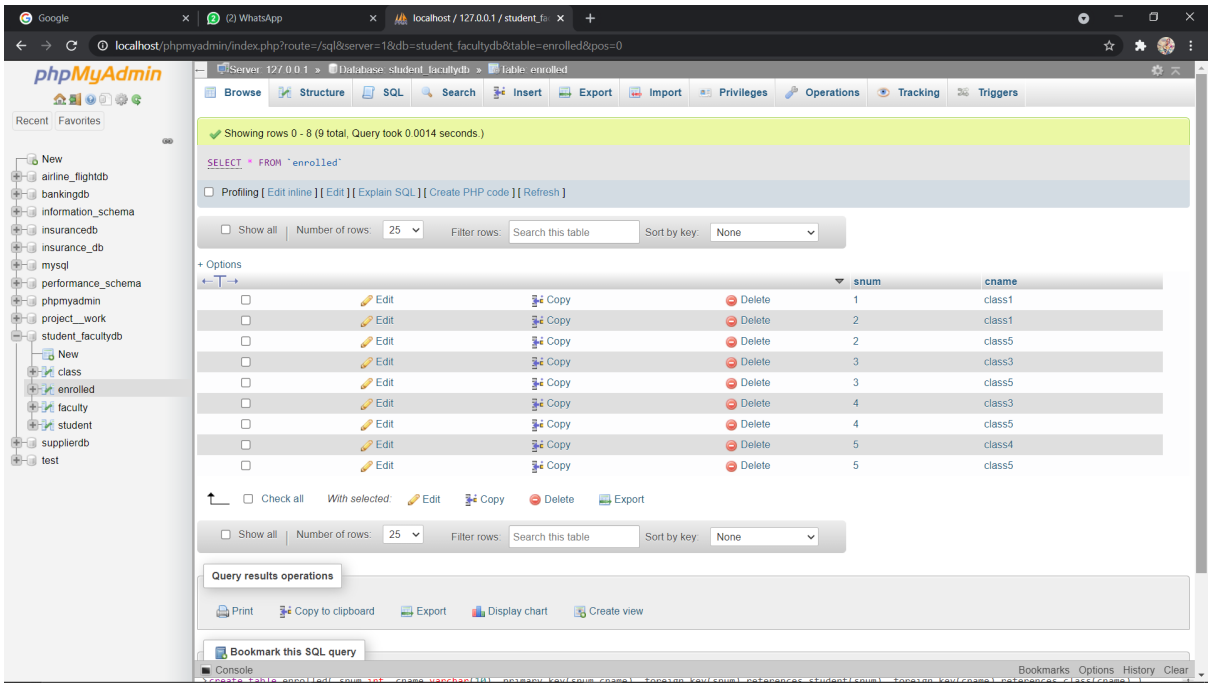
STUDENT TABLE



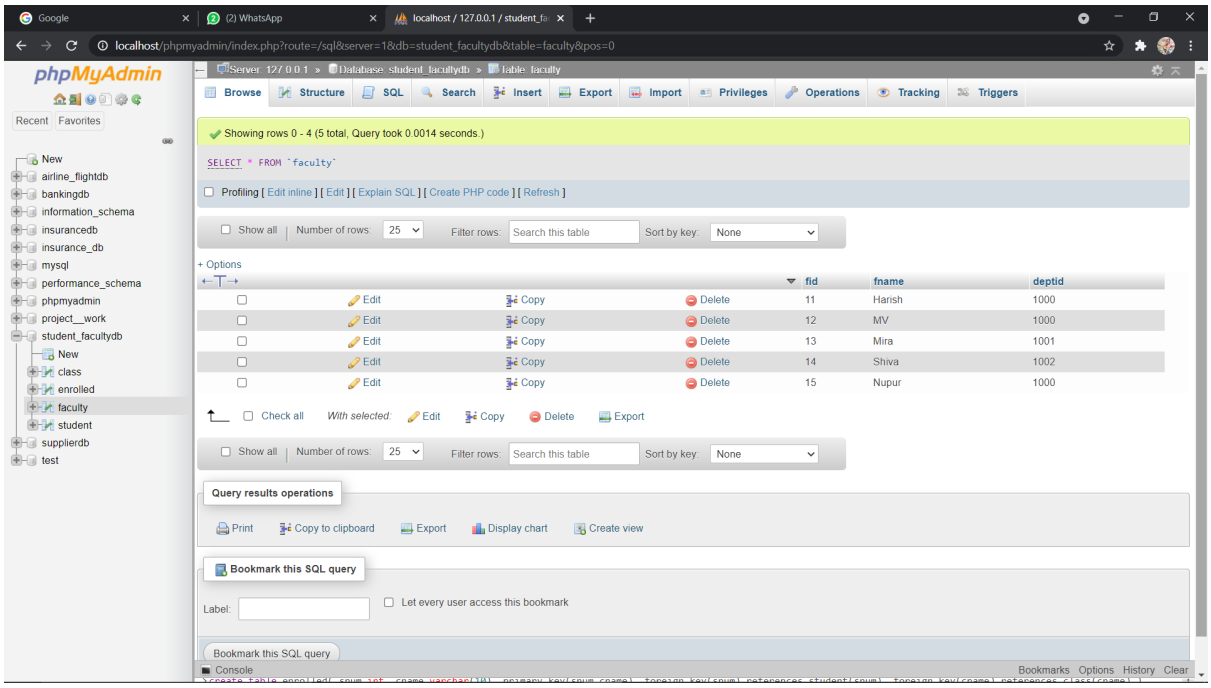
CLASS TABLE



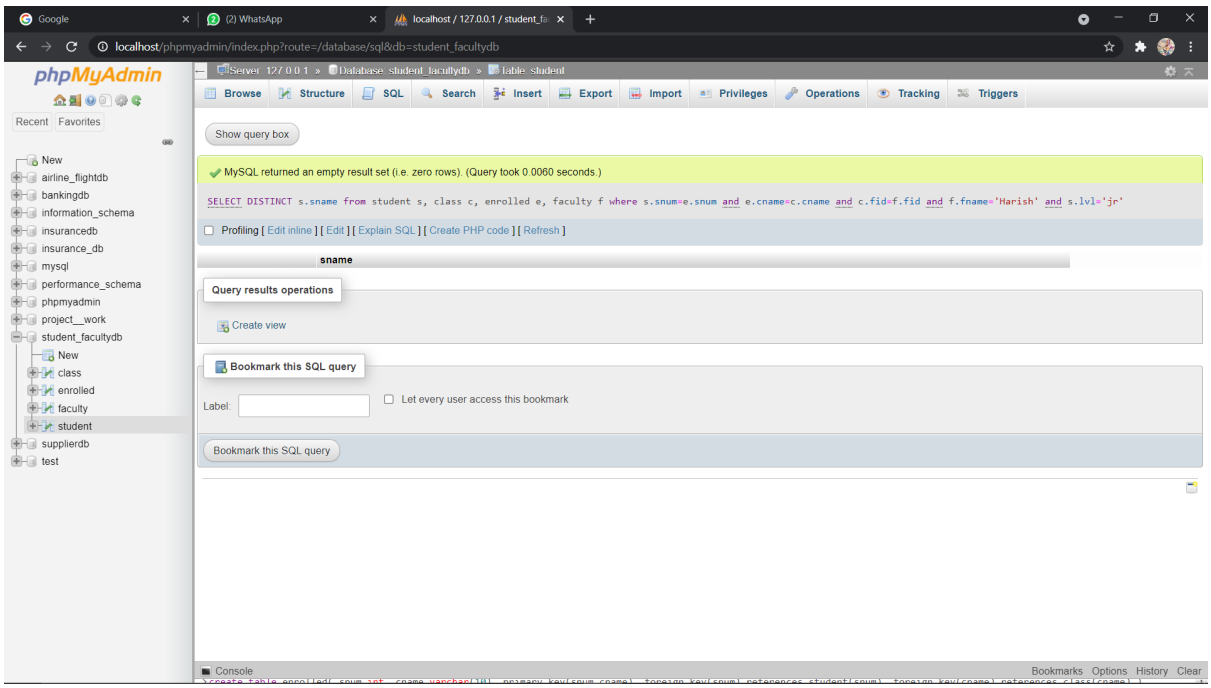
ENROLLED TABLE



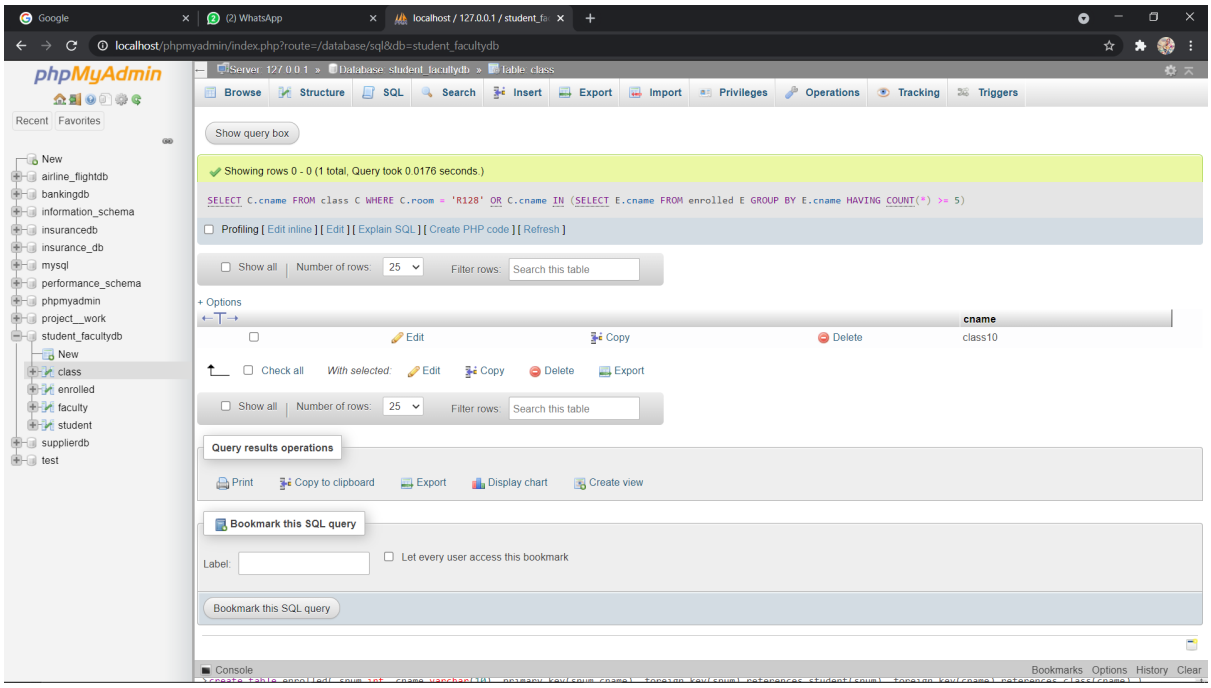
FACULTY TABLE



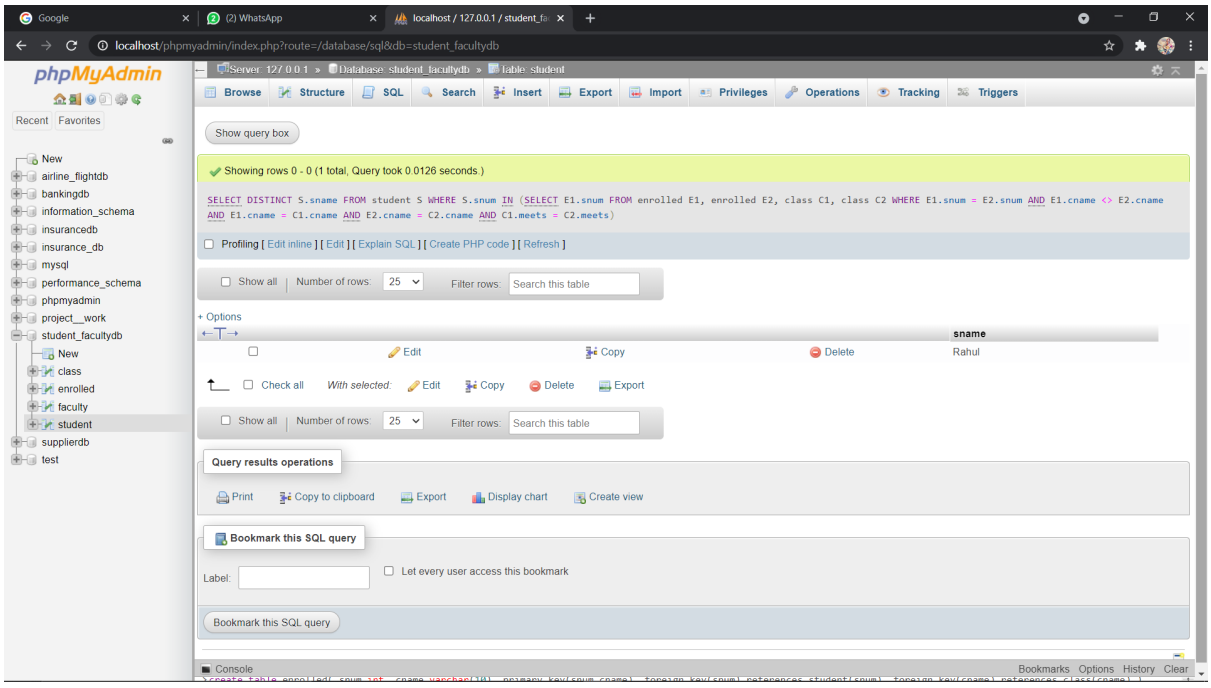
Find the names of all classes that either meet in room R128 or have five or more Students enrolled.



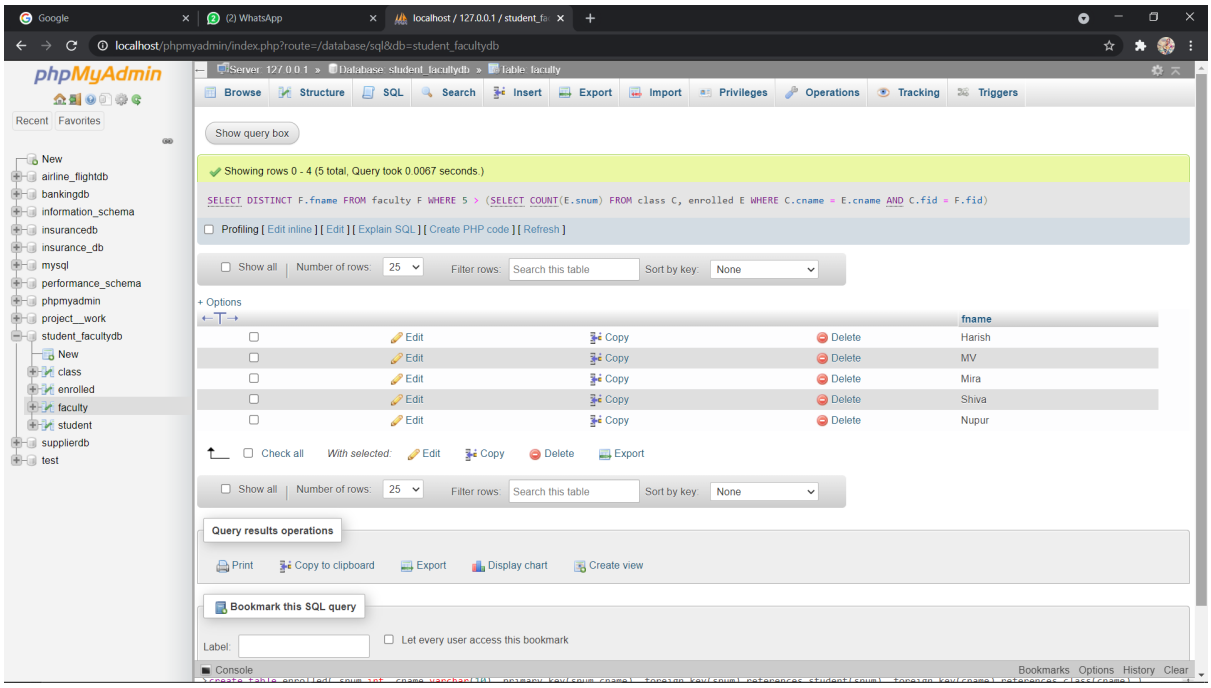
Find the names of all students who are enrolled in two classes that meet at the same time.



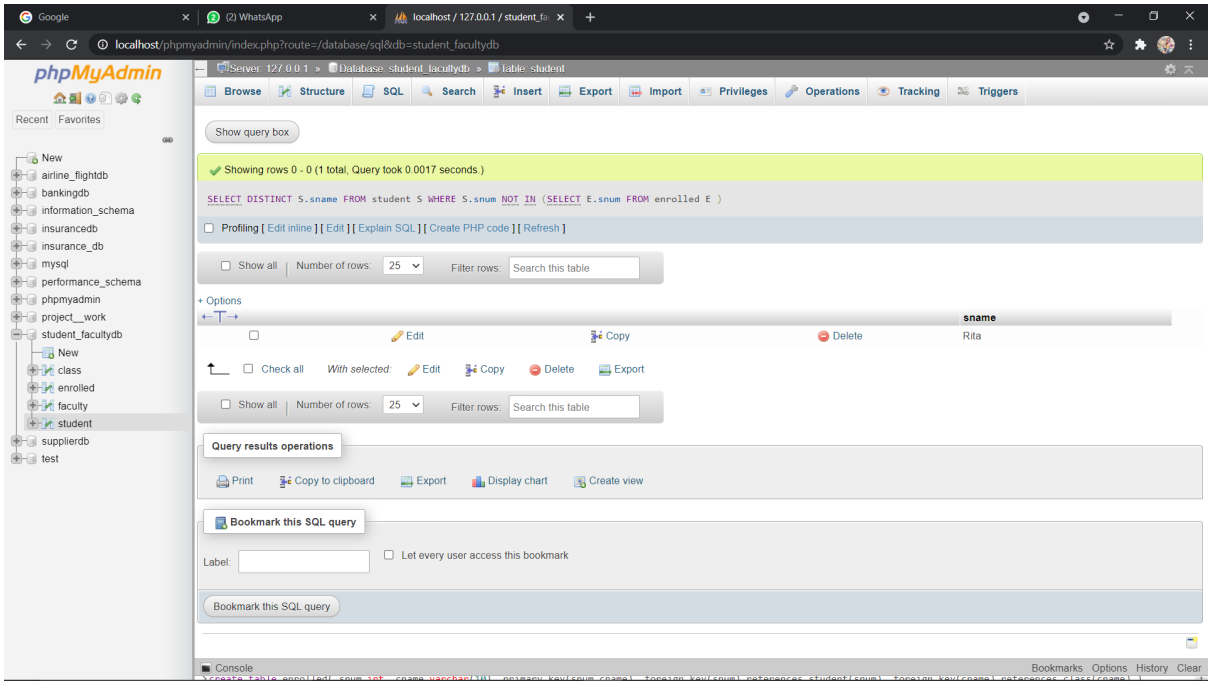
Find the names of faculty members who teach in every room in which some class is taught.



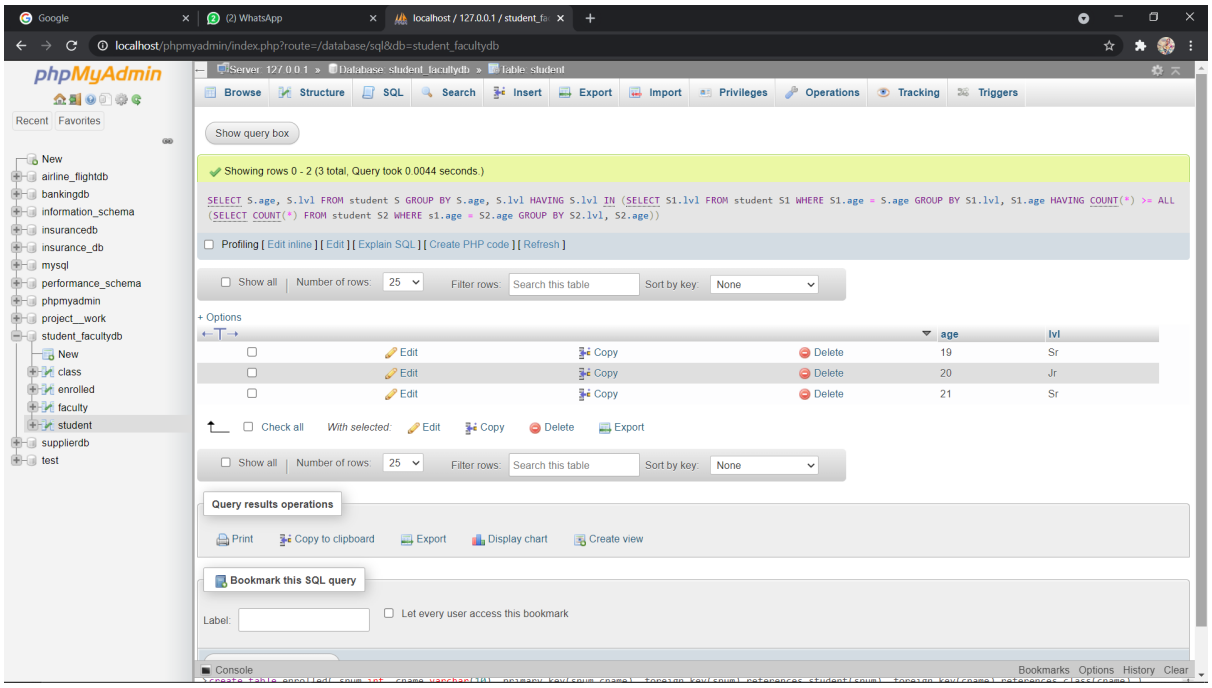
Find the names of faculty members for whom the combined enrollment of the courses that they teach is less than five



Find the names of students who are not enrolled in any class



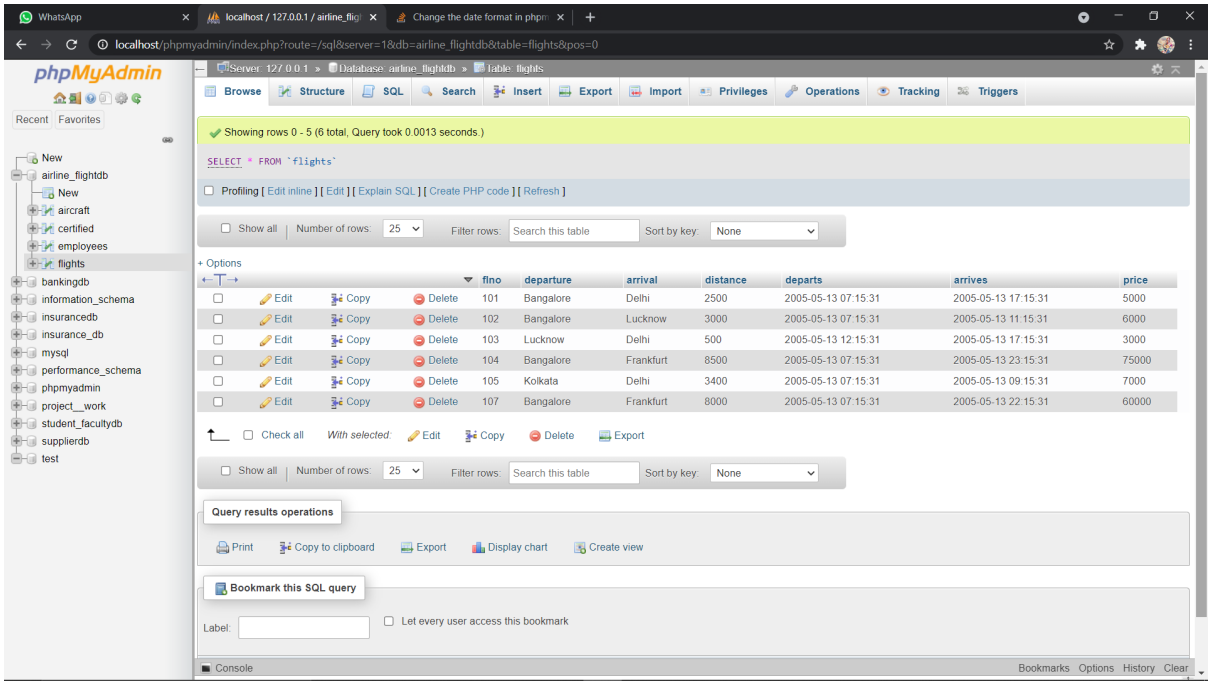
For each age value that appears in Students, find the level value that appears most often. For example, if there are more FR level students aged 18 than SR, JR, or SO students aged 18, you should print the pair (18, FR).



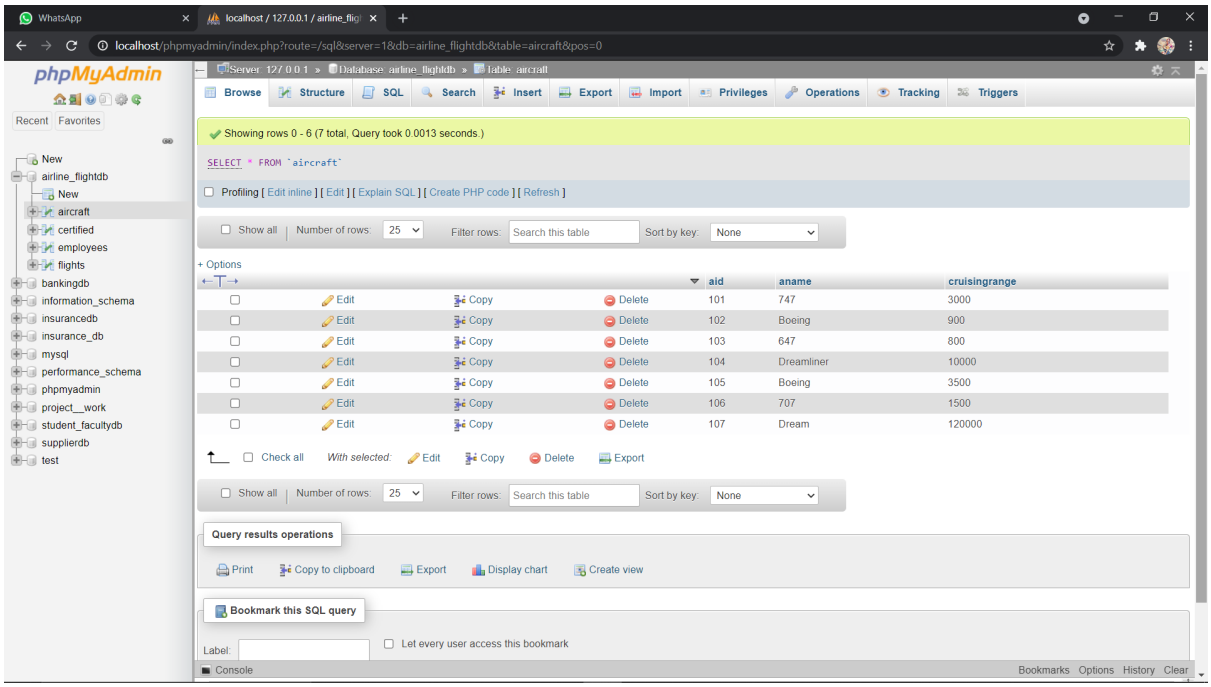
LAB 5

TABLES

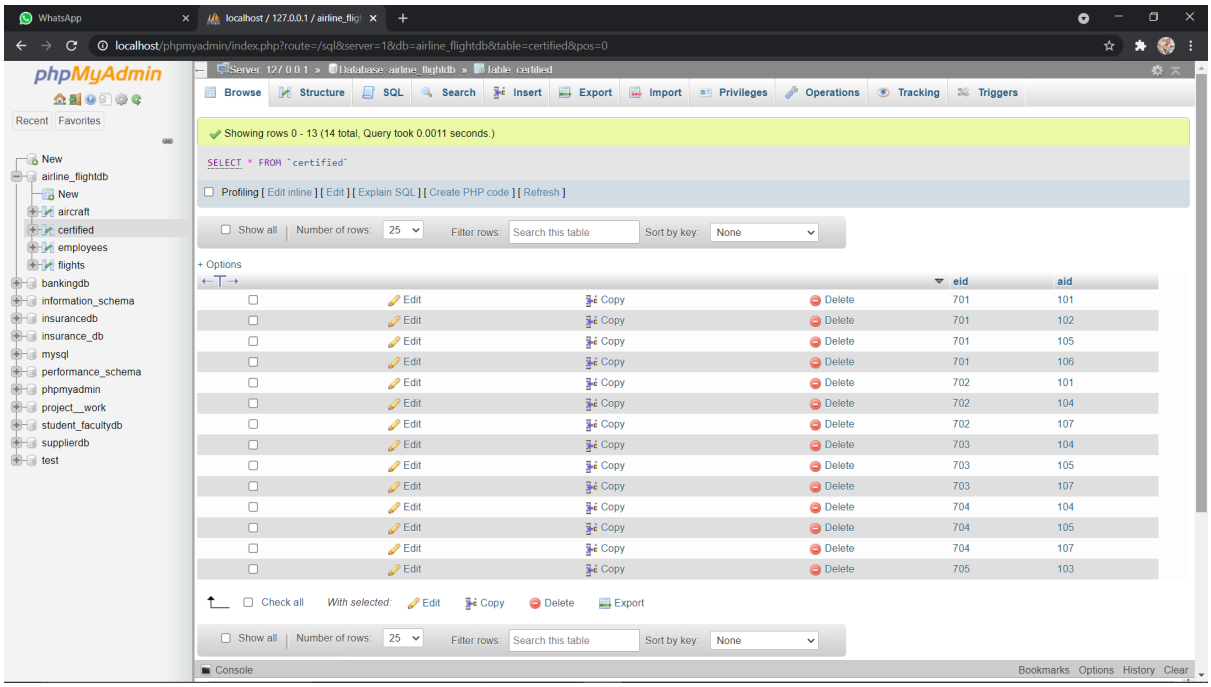
FLIGHTS TABLE



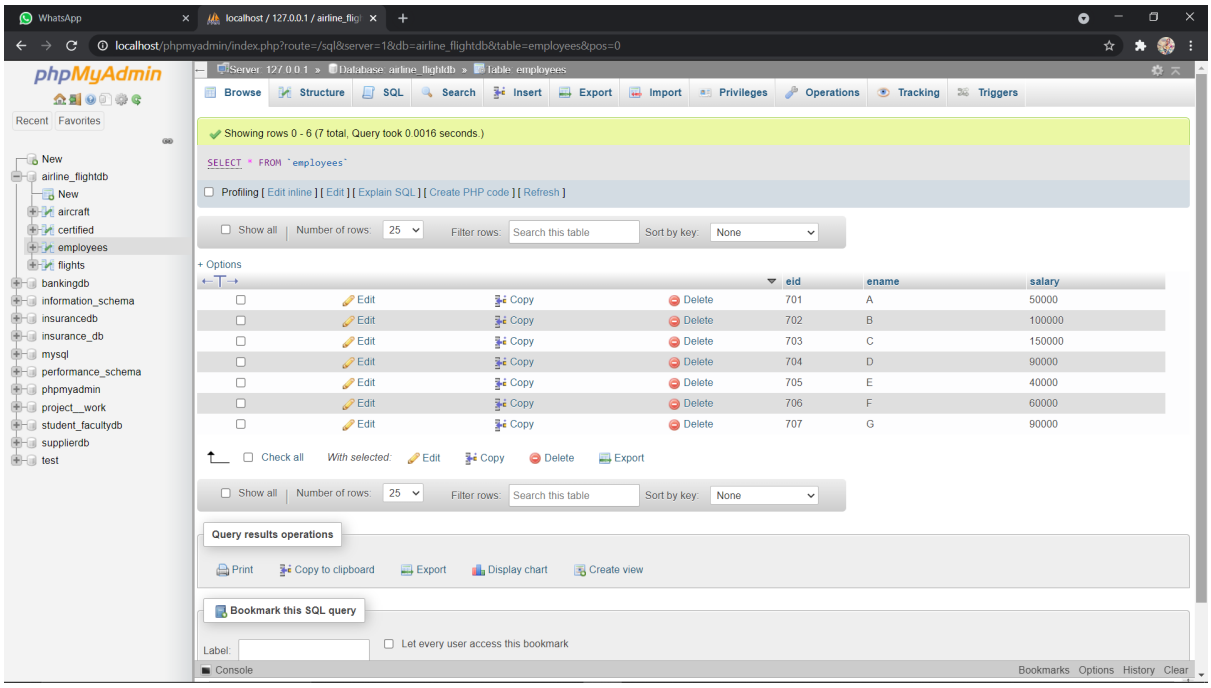
AIRCRAFT TABLE



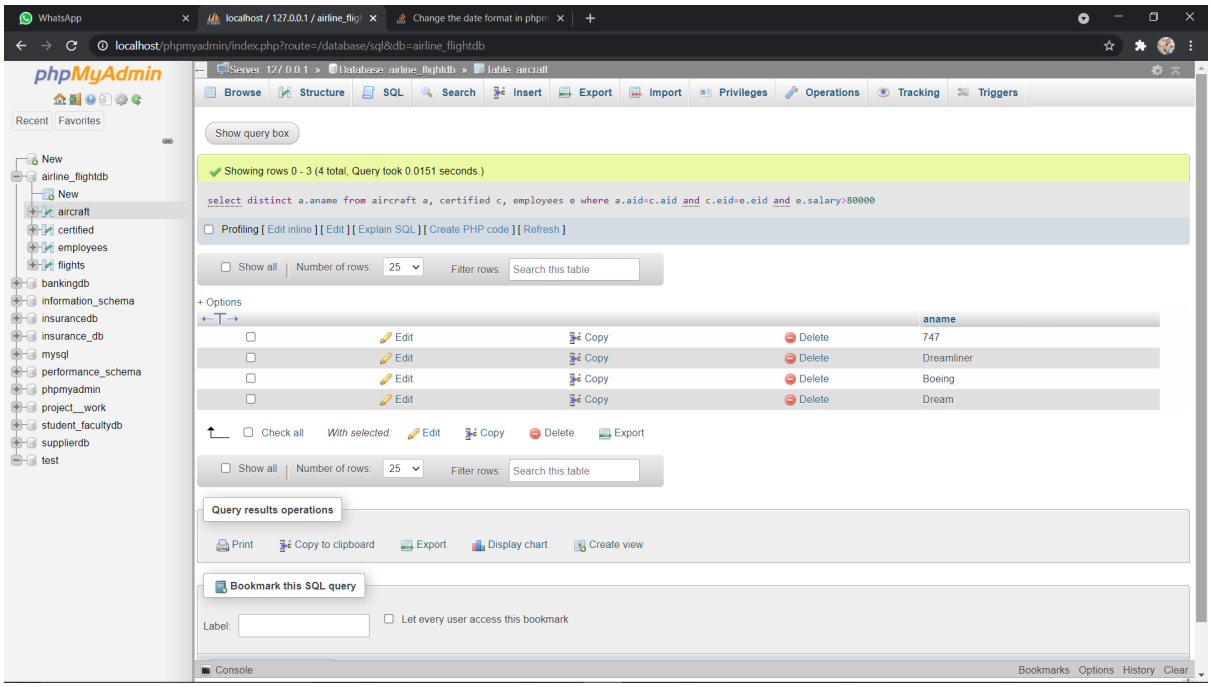
CERTIFIED TABLE



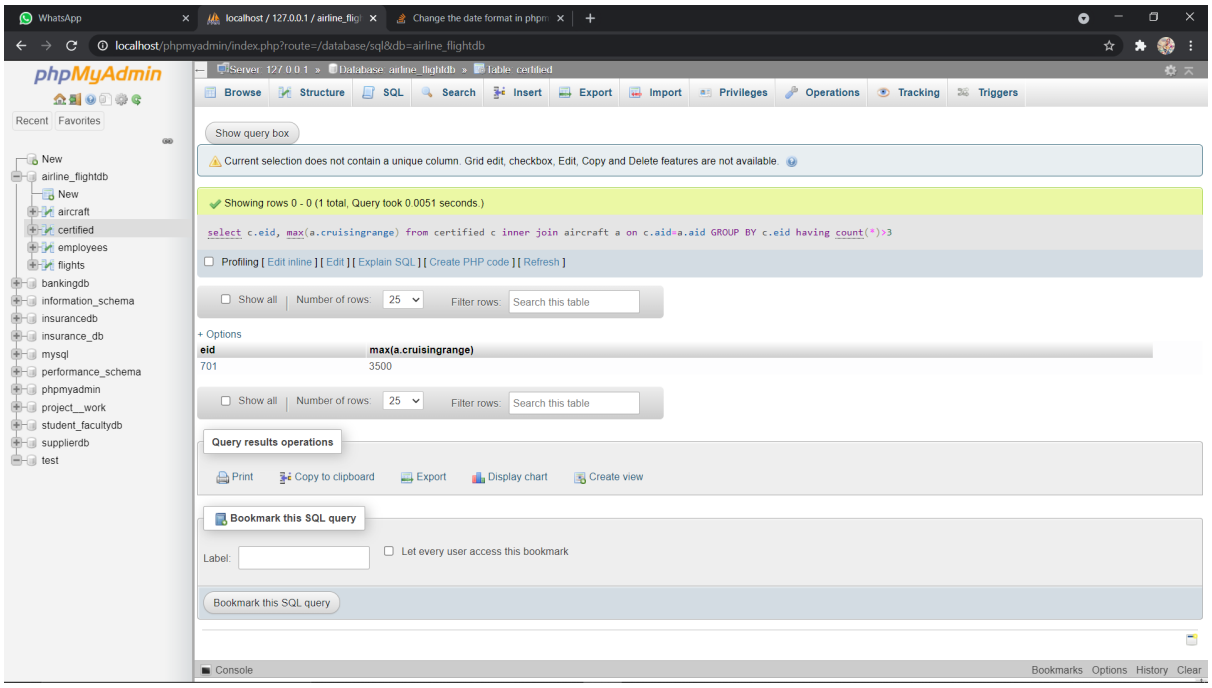
EMPLOYEES TABLE



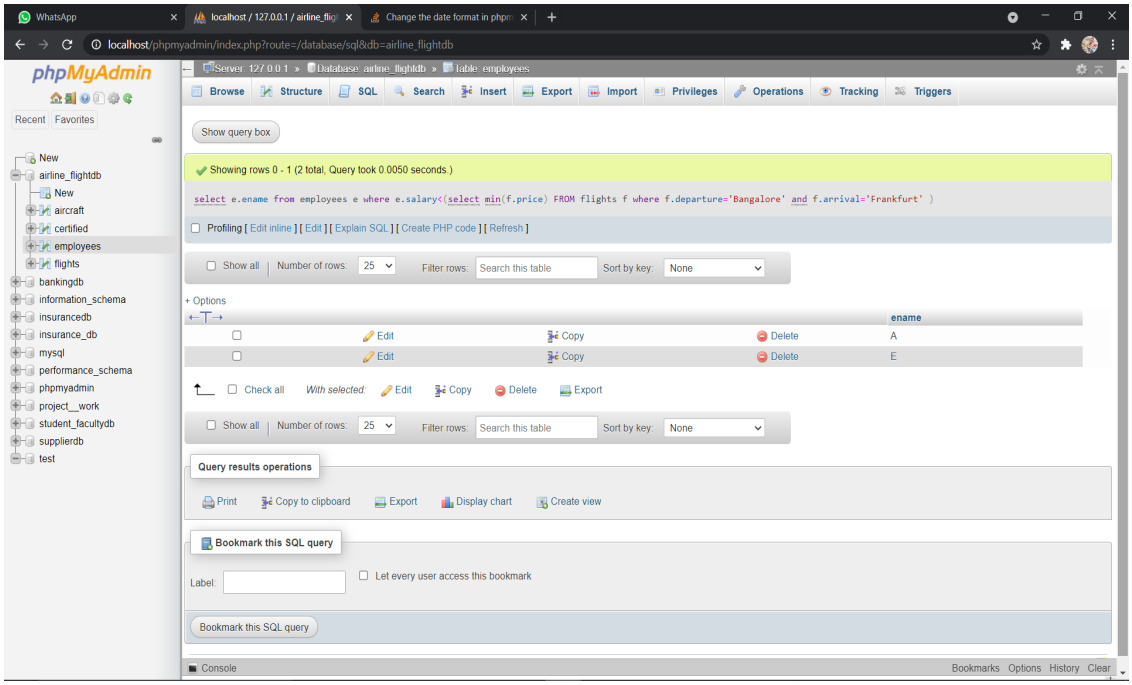
Find the names of aircraft such that all pilots certified to operate themhave salaries more than Rs.80,000.



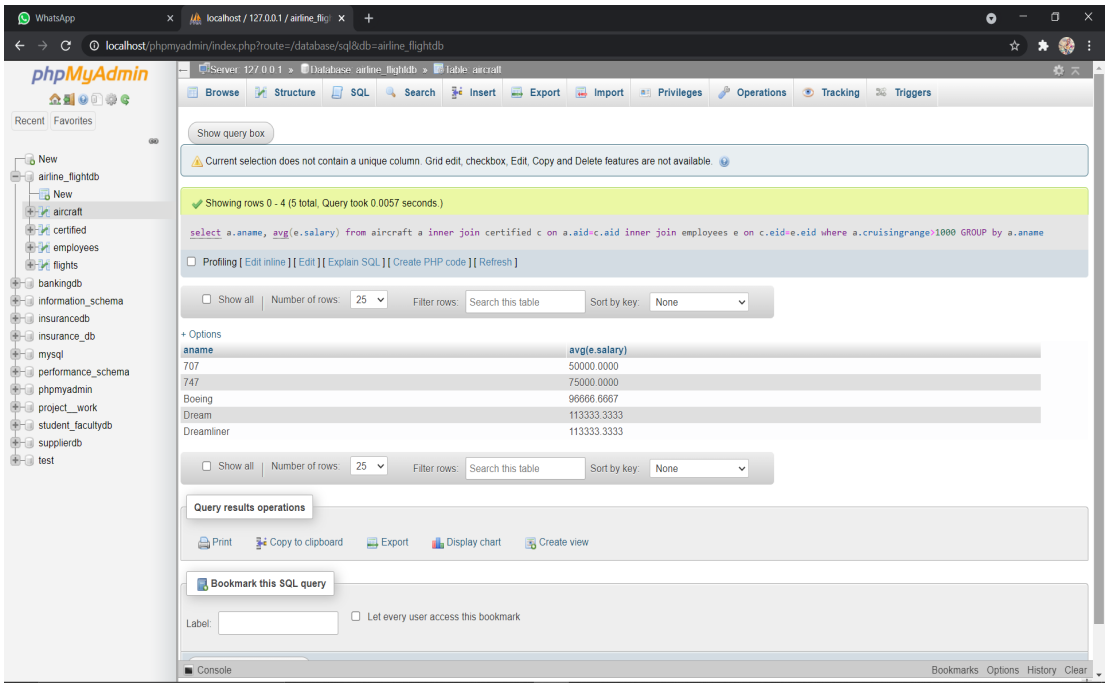
For each pilot who is certified for more than three aircrafts, find the eid and the maximum cruising range of the aircraft for which she or he is certified.



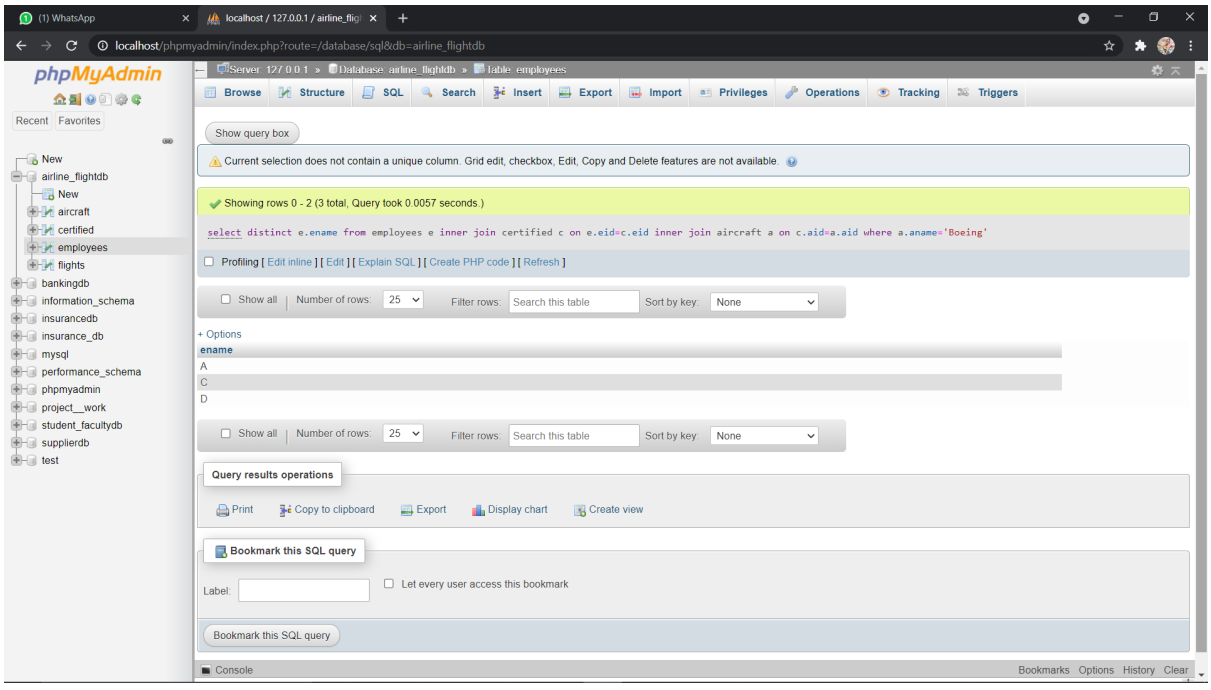
Find the names of pilots whose salary is less than the price of the cheapest route from Bengaluru to Frankfurt.



For all aircraft with cruising range over 1000 Kms, find the name of the aircraft and the average salary of all pilots certified for this aircraft.



Find the names of pilots certified for some Boeing aircraft.



Find the aids of all aircraft that can be used on routes from Bengaluru to New Delhi.