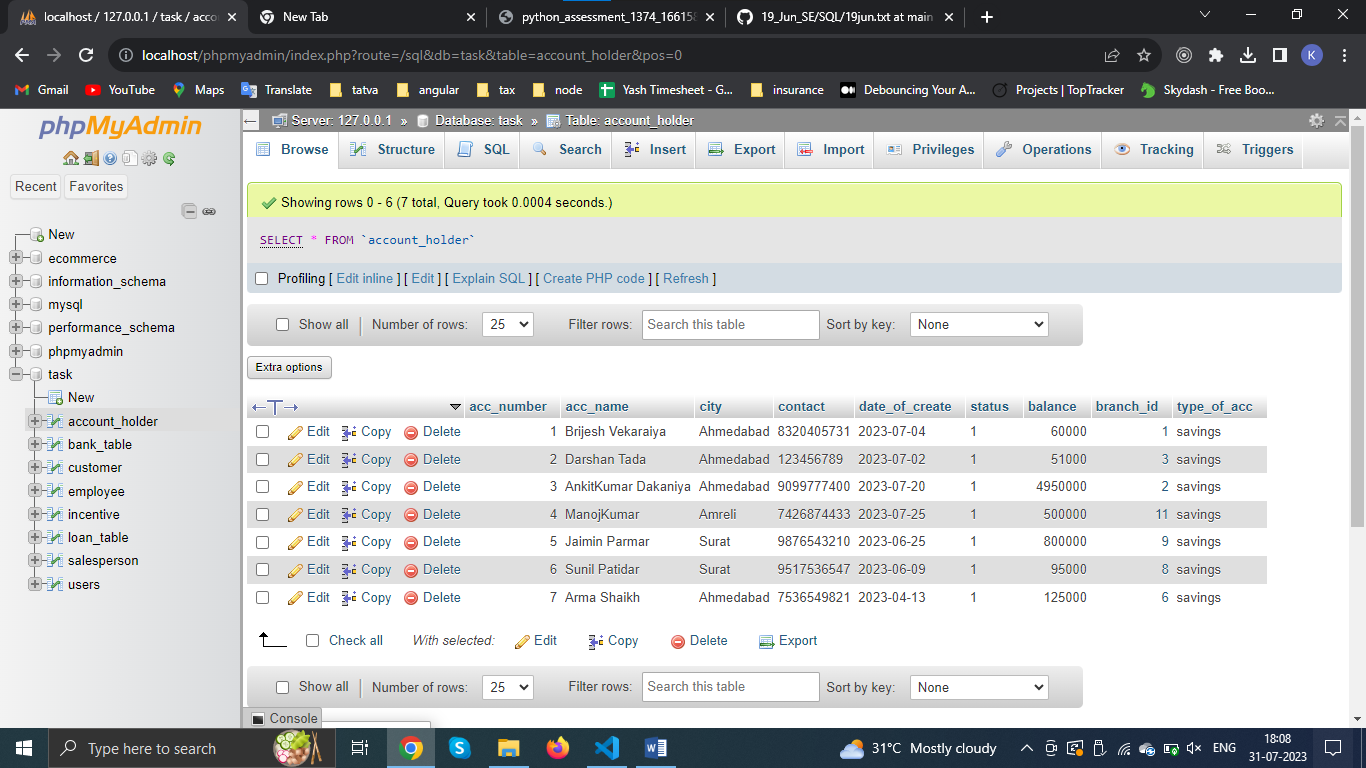
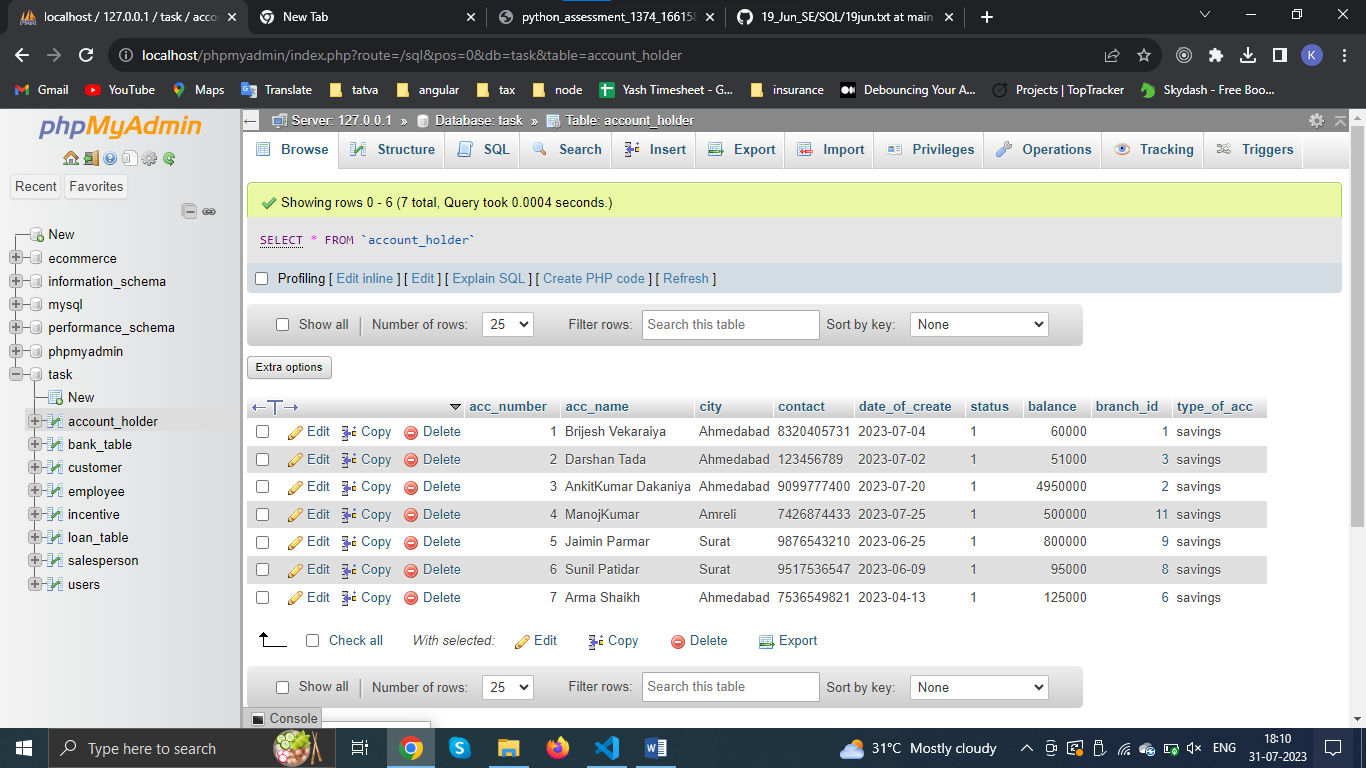
**DATABASE ASSESSMENT**

(Q.1) Consider an example where there’s an account holder table where we are doing an intra-bank transfer i.e. a person holding account A is trying to transfer $100 to account B.

* INSERT INTO `account\_holder` (`acc\_number`, `acc\_name`, `city`, `contact`, `date\_of\_create`, `status`, `balance`, `branch\_id`, `type\_of\_acc`) VALUES (NULL, 'AnkitKumar Dakaniya', 'Ahmedabad', '9099777400', '2023-07-20', b'1', '5000000', '2', 'savings');

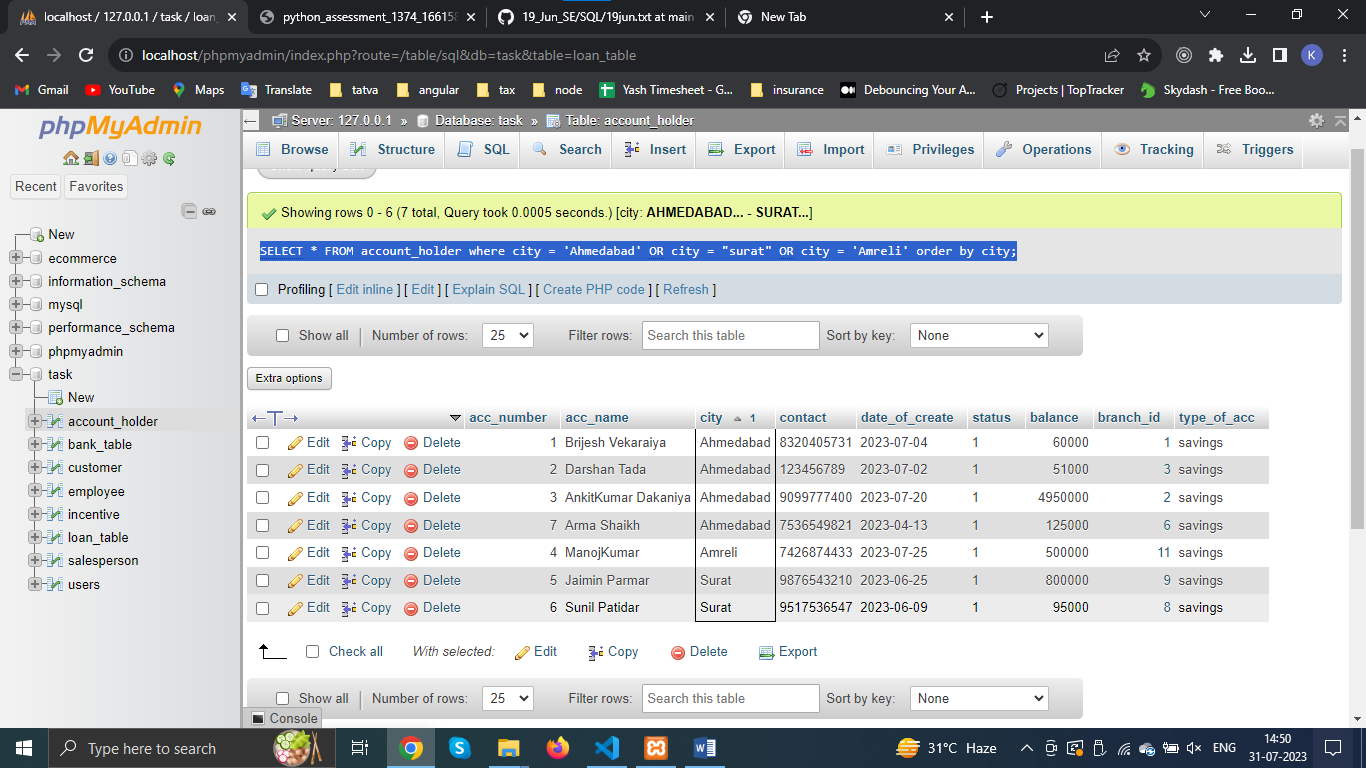


* START TRANSACTION; UPDATE account\_holder SET balance = balance - 100 WHERE acc\_number = '8'; UPDATE account\_holder SET balance = balance + 100 WHERE acc\_number = '9'; COMMIT;

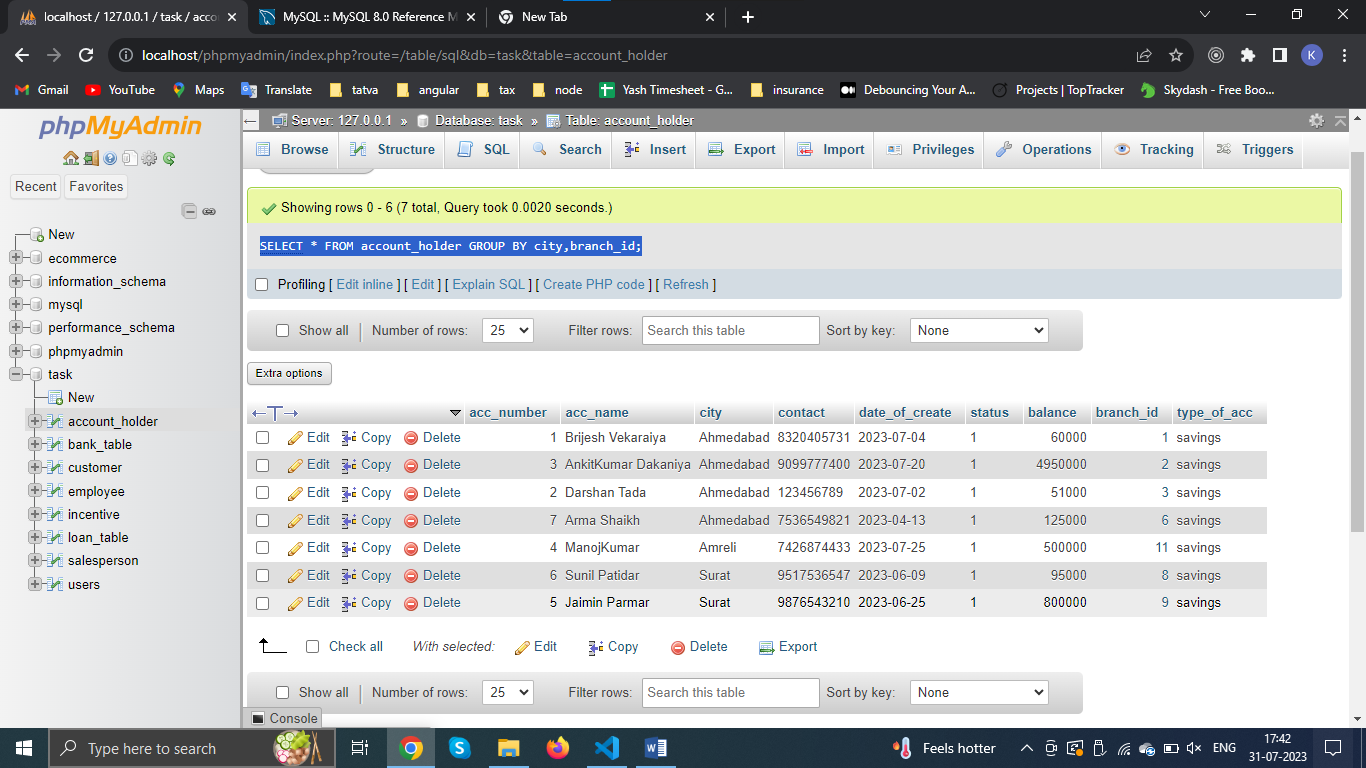


Q.2 Also fetch the details of the account holder who are related from the same city

* SELECT \* FROM account\_holder where city = 'Ahmedabad' OR city = "surat" OR city = 'Amreli' order by city;

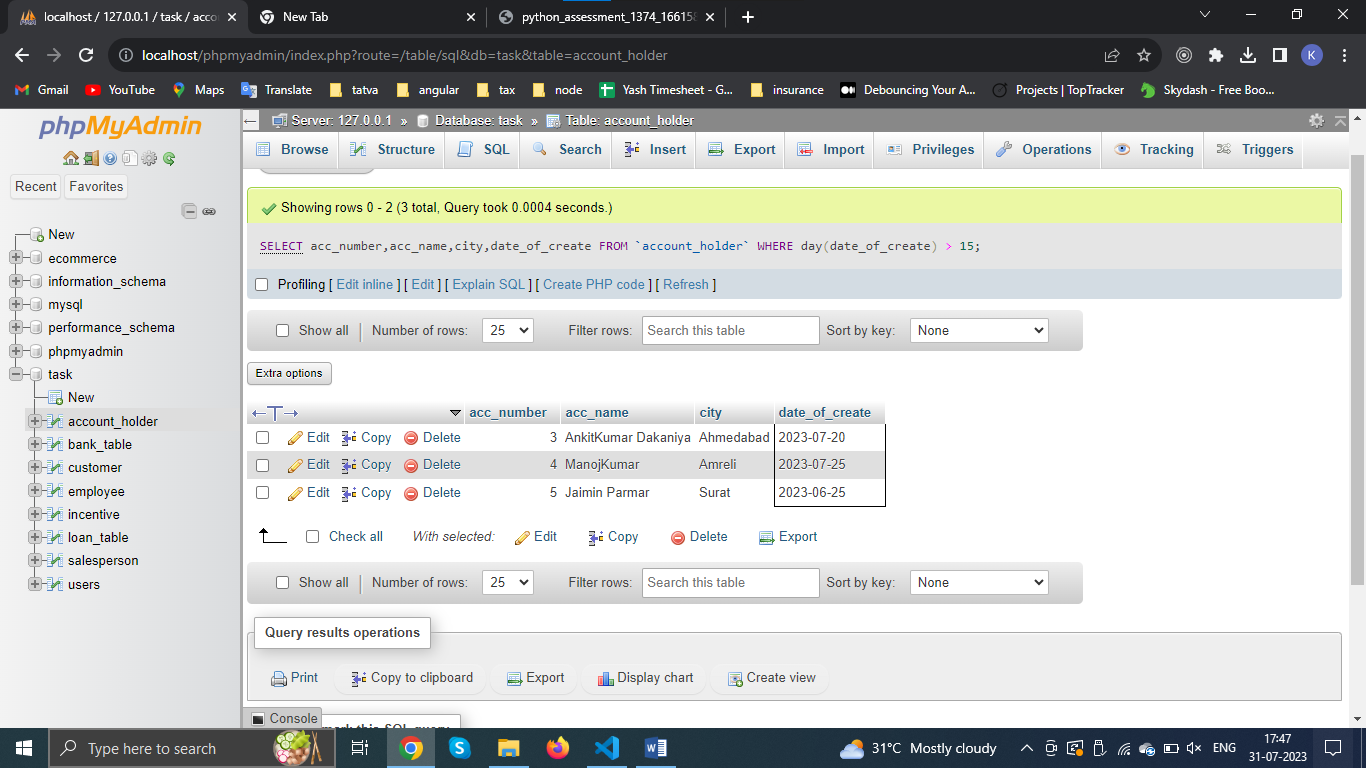


* SELECT \* FROM account\_holder GROUP BY city,branch\_id;

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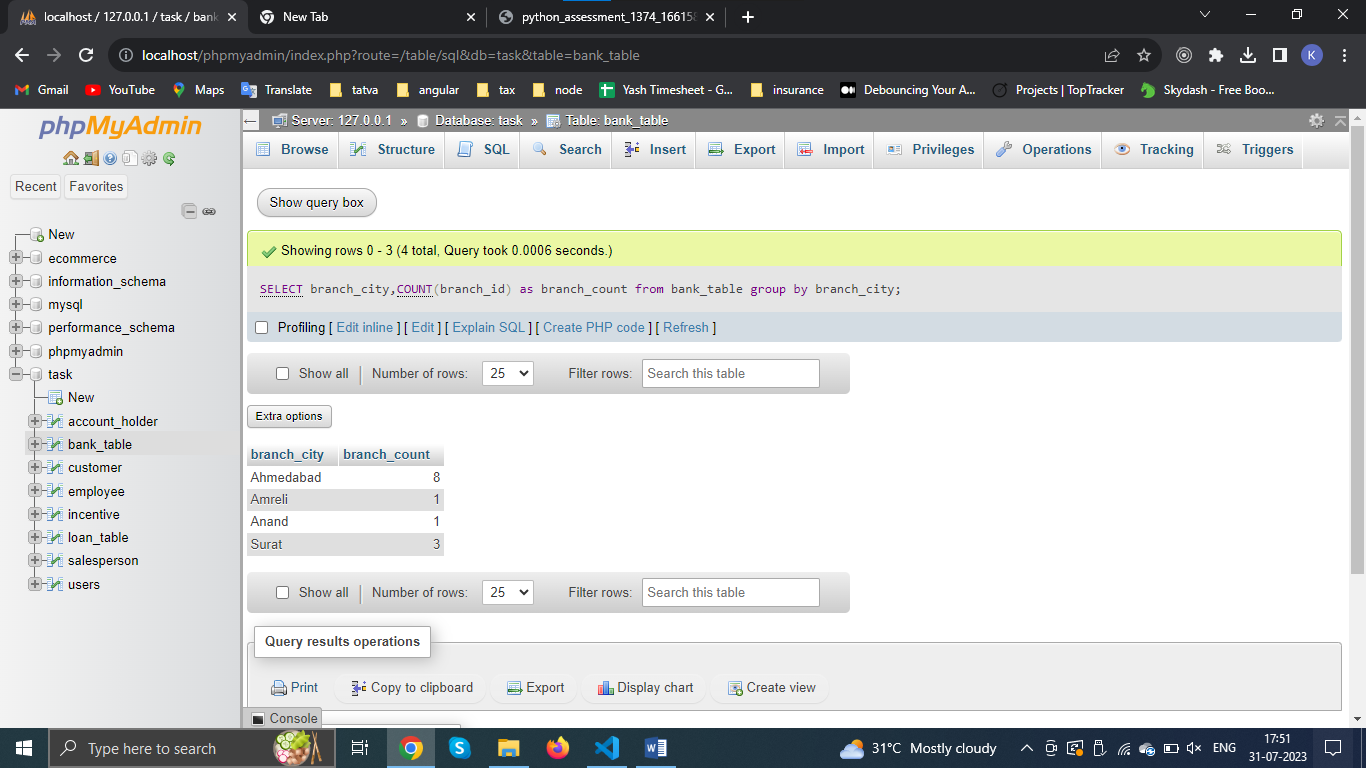
(Q.3) Write a query to fetch account number and account holder name, whose accounts were created after 15th of any month

* SELECT acc\_number,acc\_name,city,date\_of\_create FROM `account\_holder` WHERE day(date\_of\_create) > 15;



(Q.4) Write a query to display the city name and count the branches in that city. Give the count of branches an alias name of Count\_Branch.

* SELECT branch\_city,COUNT(branch\_id) as branch\_count from bank\_table group by branch\_city;



(Q.5) Write a query to display the account holder’s id, account holder’s name, branch id, and loan amount for people who have taken loans.

* SELECT loan\_table.acc\_id,account\_holder.acc\_name,loan\_table.loan\_amount,loan\_table.branch\_id,account\_holder.city FROM `loan\_table` JOIN account\_holder on loan\_table.acc\_id = account\_holder.acc\_number;

