WEEK-4 DBMS LAB

Consider the following database for a banking enterprise.

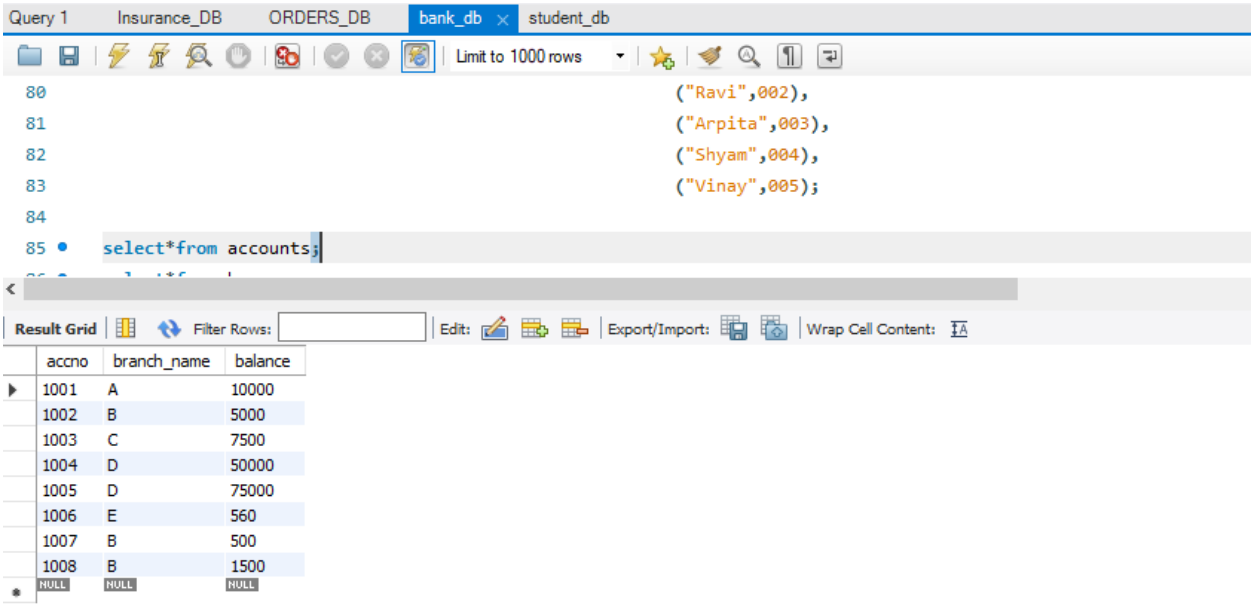
BRANCH (branch-name: String, branch-city: String, assets: real)
ACCOUNTS (accno: int, branch-name: String, balance: real)
DEPOSITOR (customer-name: String, customer-street: String, customer-city: String)
LOAN (loan-number: int, branch-name: String, amount: real)
BORROWER (customer-name: String, loan-number: int)

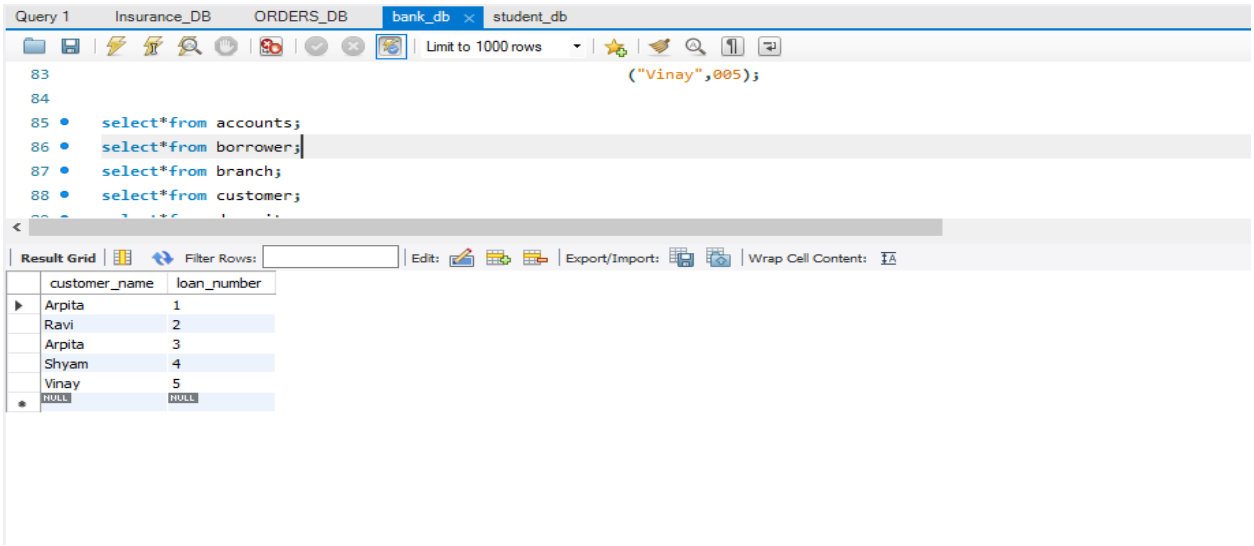
i. **Create the above tables by properly specifying the primary keys and the foreign keys.**
ii. **Enter at least five tuples for each relation.**
iii. **Find all the customers who have at least two accounts at the *Main* branch.**
iv. **Find all the customers who have an account at *all* the branches located in a specific city.**
v. **Demonstrate how you delete all account tuples at every branch located in a specific city.**
vi. **Generate suitable reports.**
vii. **Create suitable front end for querying and displaying the results.**

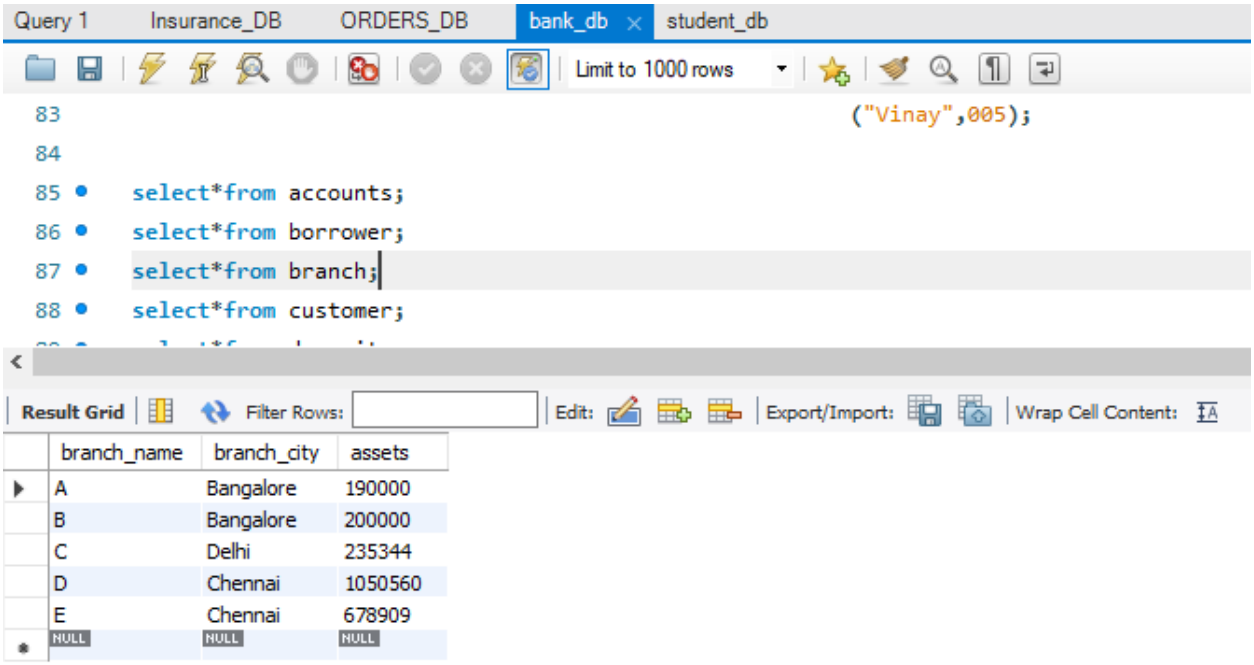
OUTPUT:

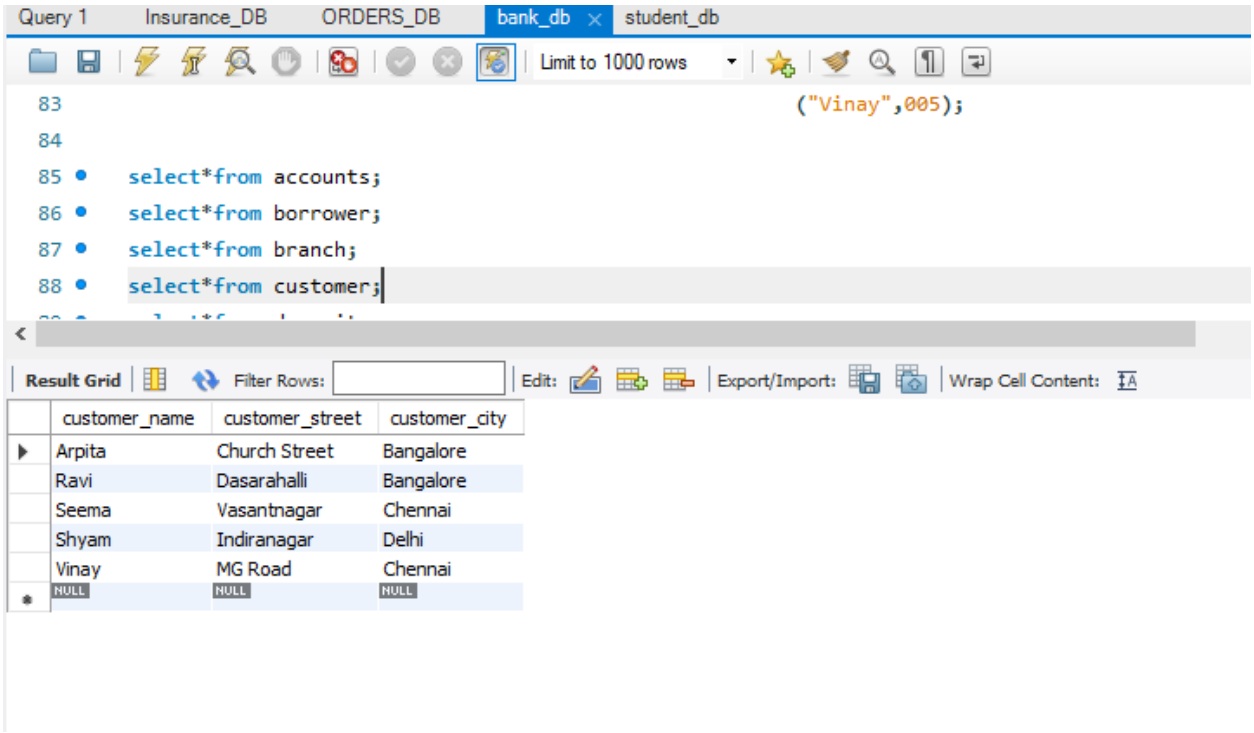
i. **Create the above tables by properly specifying the primary keys and the foreign keys.**

ii. **Enter at least five tuples for each relation.**






Query 1
Insurance_DB
ORDERS_DB
bank_db
student_db
Limit to 1000 rows
("Vinay",005);
select*from accounts;
select*from borrower;
select*from branch;
select*from customer;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
branch_name branch_city assets
A Bangalore 190000
B Bangalore 200000
C Delhi 235344
D Chennai 1050560
E Chennai 678909
NULL NULL NULL


Query 1
Insurance_DB
ORDERS_DB
bank_db
student_db
Limit to 1000 rows
("Vinay",005);
select*from accounts;
select*from borrower;
select*from branch;
select*from customer;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
customer_name customer_street customer_city
Arpita Church Street Bangalore
Ravi Dasarahalli Bangalore
Seema Vasantnagar Chennai
Shyam Indiranagar Delhi
Vinay MG Road Chennai
NULL NULL NULL

Query 1 | Insurance_DB | ORDERS_DB | bank_db | student_db

Limit to 1000 rows

```
86  select*from borrower;
87  select*from branch;
88  select*from customer;
89  select*from depositor;
90  select*from loan;
91  /* Find all the customers who have at least two accounts at
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

customer_name	accno
Ravi	1001
Ravi	1002
Shyam	1003
Seema	1004
Seema	1005
Arpita	1006
Vinay	1007
Vinay	1008
NULL	NULL

Query 1 | Insurance_DB | ORDERS_DB | bank_db | student_db

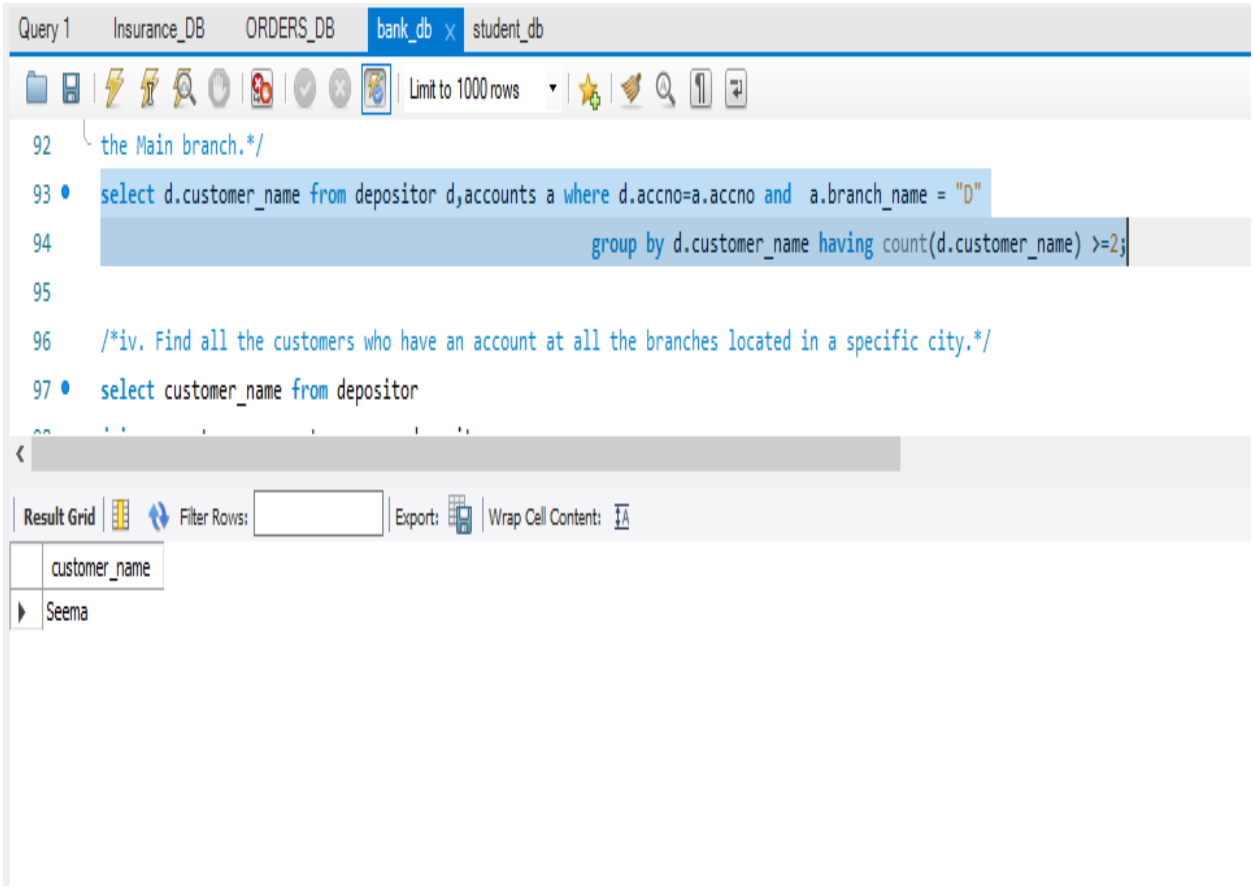
Limit to 1000 rows

```
86  select*from borrower;
87  select*from branch;
88  select*from customer;
89  select*from depositor;
90  select*from loan;
91  /* Find all the customers who have at least two accounts at
```

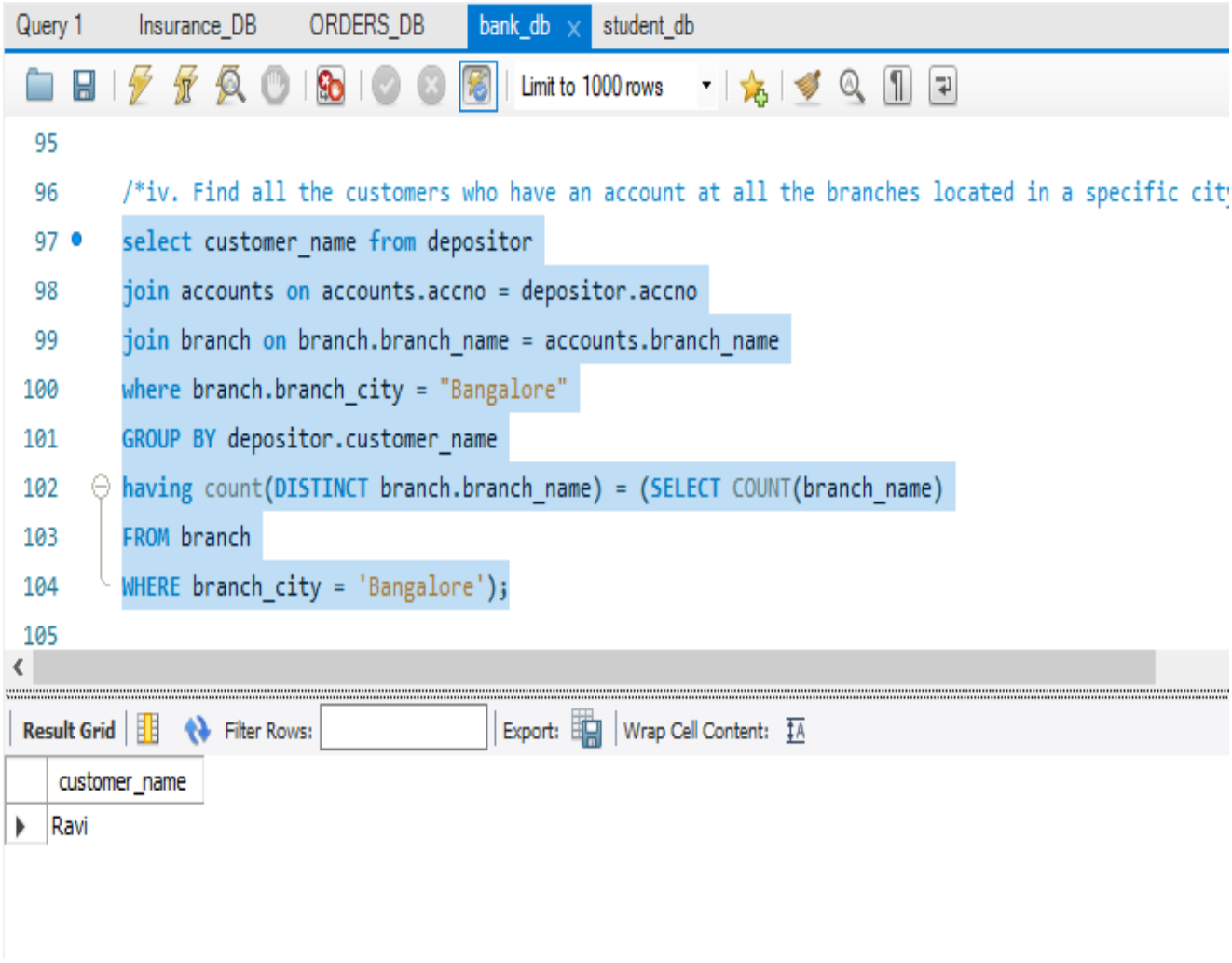
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

loan_number	branch_name	amount
1	A	10000
2	B	25000
3	B	250000
4	C	5000
5	E	90000
NULL	NULL	NULL

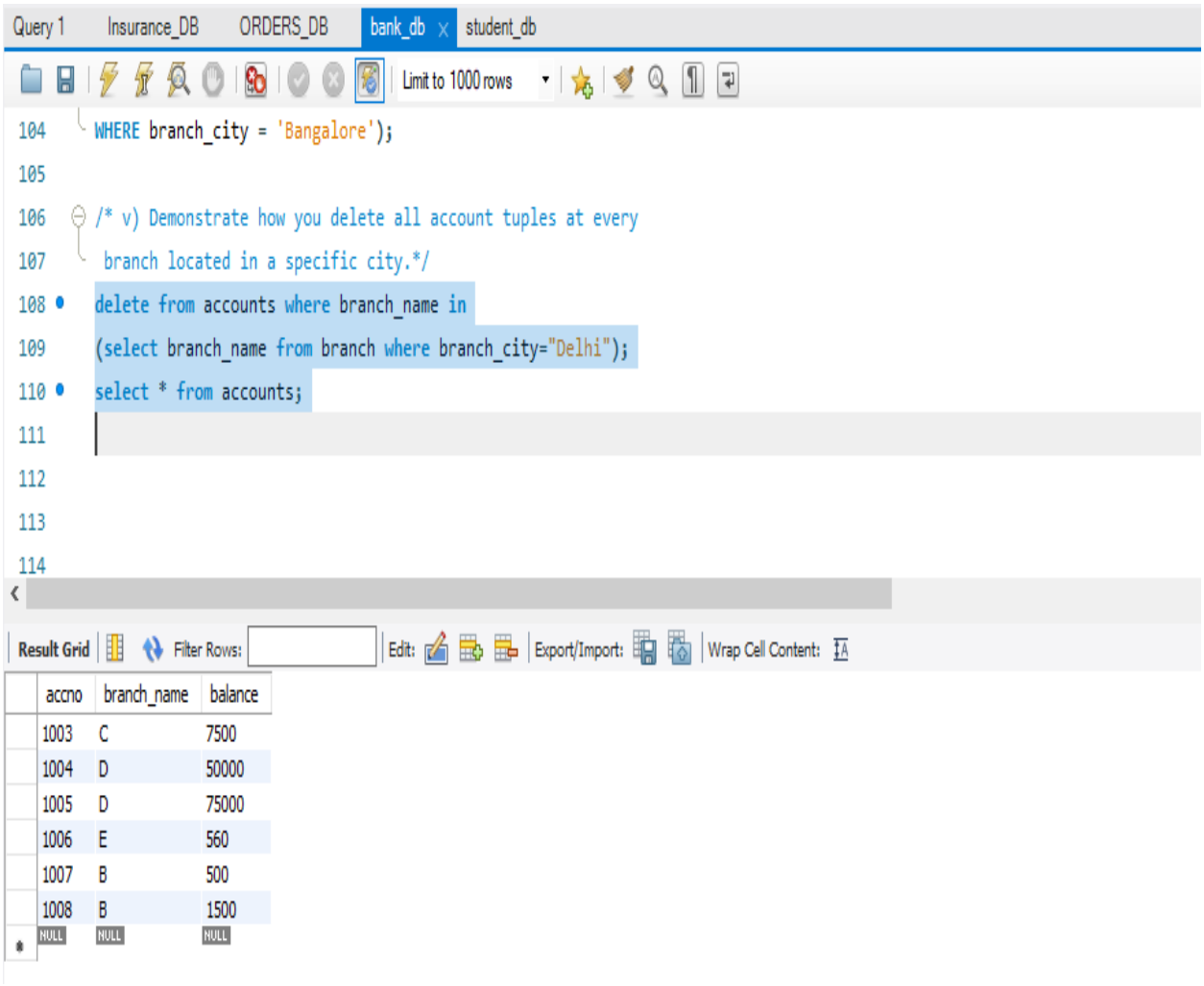
iii. Find all the customers who have at least two accounts at the *Main* branch.



iv. Find all the customers who have an account at *all* the branches located in a specific city.



v. Demonstrate how you delete all account tuples at every branch located in a specific city.



**********LAB-4 ENDS**********