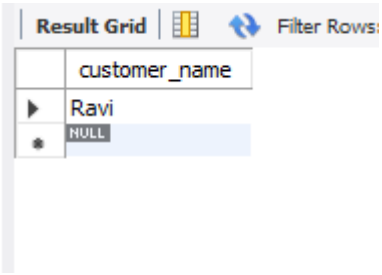
TODO WEEK 4:

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

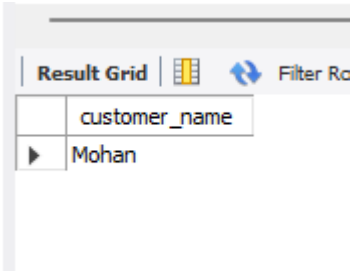
```
select d.customer_name
from bank_account a,branch b,depositer d
where b.branch_name=a.branch_name and a.acc_no=d.acc_no and
b.branch_city='Delhi'
group by d.customer_name
having count(distinct b.branch_name)=
(select count(branch_name)
from branch
where branch_city='Delhi');
```



2. **Find all customers who have a loan at the bank but do not have an account.**

Query:

```
select distinct b.customer_name from Borrower b, Depositer d
where b.customer_name NOT IN
(select d.customer_name from loan l,depositer d, Borrower b
where l.loan_number=b.loan_number and d.customer_name=b.customer_name);
```

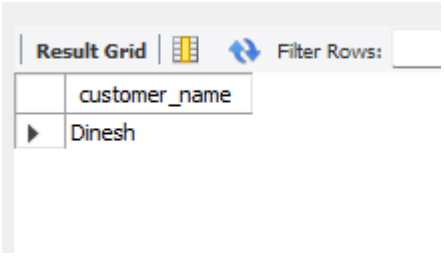


3. **Find all customers who have both an account and a loan at the Bangalore branch**

QUERY:

```
select distinct d.customer_name from depositer d
```

where d.customer_name in(
select d.customer_name from branch br,depositer d, bank_account ba
where br.Branch_city='Bangalore' and br.Branch_name=ba.Branch_name and
ba.acc_no=d.acc_no and customer_name in
(select customer_name from Borrower));



4. Find the names of all branches that have greater assets than all branches located in Bangalore.

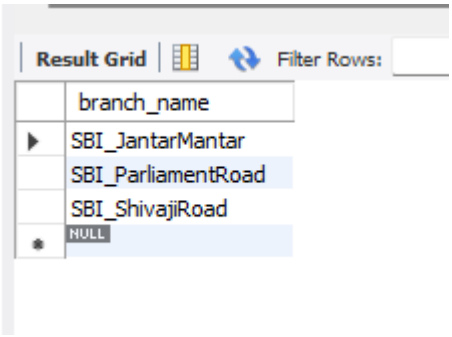
a) Query:

select b.branch_name from branch b

where b.assets > ALL (

select sum(b.assets) from Branch b

where b.Branch_City='Bangalore');



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

Query:

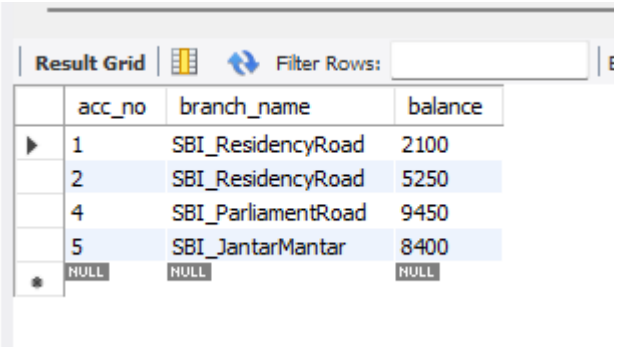
a) delete from bank_account

where branch_name in

(select branch_name from branch

where branch_city='Bombay');

select * from bank_account;



acc_no	branch_name	balance
1	SBI_ResidencyRoad	2100
2	SBI_ResidencyRoad	5250
4	SBI_ParliamentRoad	9450
5	SBI_JantarMantar	8400
NULL	NULL	NULL

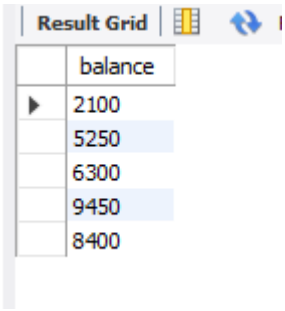
6. Update the Balance of all accounts by 5%

Query:

a) update bank_account

set balance = balance*1.05;

select balance from bank_account;



balance
2100
5250
6300
9450
8400