Week-4
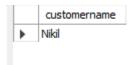
insert into bankaccount2 values(12,"SBI_MatriMarg",2000);

insert into branch1 values("SBI_MatriMarg","Delhi",200000);

insert into depositer3 values("Nikil",12);

create table borrower(customer_name varchar(50), loan_number int,

foreign key(customer_name) references bankcustomer2(customer_name),

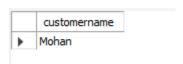foreign key(loan_number) references loan(loan_number));

insert into borrower values("Avinash",1),("Dinesh",2),("Mohan",3),("Nikil",4),("Ravi",5);

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

  select d.customer_name from branch1 b, depositer3 d, bankaccount2 ba where
  b.branch_city='Delhi' and d.accno=ba.accno and b.branch_name=ba.branch_name
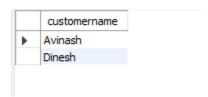 group by d.customer_name having count(customer_name)>1;

customername
Nikil

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

  select distinct b.customer_name from borrower b, depositer3 d
  where b.customer_name not in(
          select d.customer_name from loan1 l,depositer3 d, borrower b
          where l.loan_number=b.loan_number and
  d.customer_name=b.customer_name);

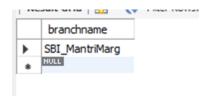 | customername |
  |---|
  | Mohan |

- Find all customers who have both an account and a loan at the
  Bangalore branch
  select distinct d.customername from depositer d
  where d.customername in(
  > select d.customer_name from branch1 br,depositer3 d, bankaccount2 ba
  > where br.branch_city="Banglore" and br.branch_name=ba.branch_name
  > and ba.accno=d.accno and d.customer_name in(
  select customer_name from borrower));

	customername
▶	Avinash
	Dinesh

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

  select b.branch_name from branch1 b
  where b.assets> all (
  select sum(b.assets) from branch1 b
  > where b.branch_city='Banglore');

	branchname
▶	SBI_MantriMarg
*	NULL

- Update the Balance of all accounts by 5%

  update bankaccount2 set balance=(balance+(balance*0.05));

  select * from bankaccount2;

accno	branchname	balance
1	SBI_Chamrajpet	2100
2	SBI_ResidencyRoad	5250
3	SBI_ShivajiRoad	6300
4	SBI_ParlimentRoad	9450
5	SBI_Jantarmantar	8400
6	SBI_ShivajiRoad	4200
8	SBI_ResidencyRoad	4200
9	SBI_ParlimentRoad	3150
10	SBI_ResidencyRoad	5250
11	SBI_Jantarmantar	2100
12	SBI_MatriMarg	2100
NULL	NULL	NULL

bankaccount 15 ✕

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

  delete ba.* from bankaccount ba, branch b where branchcity='Bombay' and ba.branchname=b.branchname;
  select * from bankaccount;

accno	branchname	balance
1	SBI_Chamrajpet	2100
2	SBI_ResidencyRoad	5250
4	SBI_ParlimentRoad	9450
5	SBI_Jantarmantar	8400
8	SBI_ResidencyRoad	4200
9	SBI_ParlimentRoad	3150
10	SBI_ResidencyRoad	5250
11	SBI_Jantarmantar	2100
12	SBI_MatriMarg	2100
NULL	NULL	NULL

- Demonstrate how to delete branches located in banglore

  delete b.*,ba.* from branch b, bankaccount ba,loan l
  Where b.branchcity="Banglore" and b.branchname=ba.branchname
  And l.branchname=ba.branchname;

  select * from branch;

select * from bankaccount;
select * from loan;

branchname	branchcity	assets
SBI_Jantarmantar	Delhi	20000
SBI_MatriMarg	Delhi	200000
SBI_ParlimentRoad	Delhi	10000
SBI_ShivajiRoad	Bombay	20000
NULL	NULL	NULL

loannumber	branchname	amount
3	SBI_ShivajiRoad	3000
4	SBI_ParlimentRoad	4000
5	SBI_Jantarmantar	5000
NULL	NULL	NULL

accno	branchname	balance
4	SBI_ParlimentRoad	9450
5	SBI_Jantarmantar	8400
9	SBI_ParlimentRoad	3150
11	SBI_Jantarmantar	2100
12	SBI_MatriMarg	2100
NULL	NULL	NULL