

BANK DATABASE

WEEK 4

INPUT:

```
create database Bank;
use Bank;
create table Branch
(Branch_name varchar(20) primary key,
branch_city varchar(20),
assets float);
create table BankAccount
(Acc_no int primary key,Branch_name varchar(20),balance
real,
foreign key(Branch_name) references Branch(Branch_name)
on delete cascade);
alter table Branch modify assets real;
create table BankCustomer
(Customer_name varchar(20) primary key,Customer_street
varchar(20),Customer_city varchar(20));
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create table Depositer

(Customer_name varchar(20), Acc_no int,

foreign key(Customer_name) references

BankCustomer(Customer_name) on update cascade on delete cascade,

foreign key(Acc_no) references BankAccount(Acc_no) on update cascade on delete cascade);

create table Loan

(Loan_no int primary key, Branch_name varchar(20), amount real,

foreign key(Branch_name) references Branch(Branch_name) on update cascade on delete cascade);

insert into branch

values('sbi_chamrajpet','bangalore',50000),('sbi_residencyRoad','bangalore',10000),

('sbi_shivajiRoad','mumbai',20000),('sbi_parliamentRoad','delhi',10000),('sbi_jantarmanatar','delhi',20000);

select * from branch;

insert into BankAccount

values(1,'sbi_chamrajpet',2000),(2,'sbi_residencyRoad',5000),

(3,'sbi_shivajiRoad',6000),(4,'sbi_parliamentRoad',9000),(5,'sbi_jantarmanatar',8000);

select * from bankaccount;

```

insert into BankCustomer
values('avinash','bull_temple_road','bangalore'),('dinesh','baner
ghatta_road','bangalore'),
('mohan','nationalCollege_road','bangalore'),('nikhil','akbar_ro
ad','delhi'),('ravi','prithviraj_road','delhi');

select * from bankcustomer;

insert into Depositer
values('avinash',1),('dinesh',2),('nikhil',4),('ravi',5),('avinash',8)
,('mohan',11);

select * from depositer;

insert into bankaccount values
(8,'sbi_shivajiRoad',6000),(11,'sbi_chamrajpet',2000);

insert into Loan values (1,
'sbi_chamrajpet',1000),(2,'sbi_residencyRoad',2000),(3,'sbi_sh
ivajiRoad',3000),
(4,'sbi_parlimentRoad',4000),(5,'sbi_jantarmanantar',5000);

select * from loan;

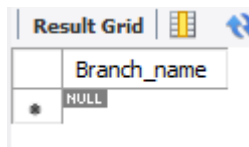
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QUERIES:

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

INPUT: select Branch_name from Branch where
assets>(select sum(assets) from Branch where
branch_city = 'bangalore');

OUTPUT:






Result Grid
Branch_name
NULL

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

INPUT: delete from bankaccount where branch_name in(select branch_name from branch where branch_city = 'mumbai');

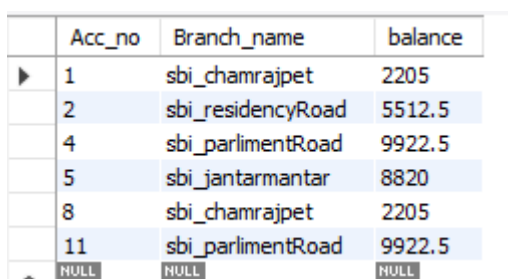
OUTPUT: 1 row(s) affected

Result Grid				Filter Rows:	
	Acc_no	Branch_name	balance		
	1	sbi_chamrajpet	2100		
	2	sbi_residencyRoad	5250		
	4	sbi_parliamentRoad	9450		
	5	sbi_jantarmantar	8400		
	8	sbi_chamrajpet	2100		
	11	sbi_parliamentRoad	9450		
*	NULL	NULL	NULL		

6) Update the Balance of all accounts by 5%.

INPUT: update BankAccount set balance = balance*1.05;

OUTPUT:



Acc_no	Branch_name	balance
1	sbi_chamrajpet	2205
2	sbi_residencyRoad	5512.5
4	sbi_parliamentRoad	9922.5
5	sbi_jantarmantar	8820
8	sbi_chamrajpet	2205
11	sbi_parliamentRoad	9922.5
NULL	NULL	NULL

