## 3. BANK DATABASE

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SQL CODE:
show databases;
create database dhiksha_bank12;
show databases;
use dhiksha_bank12;
create table dhiksha_bank12.branch(
Branch name varchar(30),
Branch_city varchar(25),
assets int,
PRIMARY KEY (Branch_name)
);
create table dhiksha_bank12.BankAccount(
Accno int,
Branch_name varchar(30),
Balance int,
PRIMARY KEY(Accno),
foreign key (Branch_name) references branch(Branch_name)
);
create table dhiksha_bank12.BankCustomer(
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Customername varchar(20),
Customer street varchar(30),
CustomerCity varchar (35),
PRIMARY KEY(Customername)
);
create table dhiksha_bank12.Depositer(
Customername varchar(20),
Accno int,
PRIMARY KEY(Customername, Accno),
foreign key (Accno) references BankAccount(Accno),
foreign key (Customername) references BankCustomer(Customername)
);
create table dhiksha_bank12.Loan(
Loan number int,
Branch_name varchar(30),
Amount int,
PRIMARY KEY(Loan_number),
foreign key (Branch_name) references branch(Branch_name)
);
insert into branch values("SBI Chamrajpet", "Bengaluru", 50000);
insert into branch values("SBI ResidencyRoad", "Bengaluru", 10000);
insert into branch values("SBI ShivajiRoad", "Bombay", 20000);
insert into branch values("SBI ParlimentRoad", "Delhi", 10000);
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insert into branch values("SBI Jantarmantar", "Delhi", 20000);
select * from branch;
insert into BankAccount values(1,"SBI Chamrajpet",2000);
insert into BankAccount values(2,"SBI ResidencyRoad",5000);
insert into BankAccount values(3,"SBI ShivajiRoad",6000);
insert into BankAccount values(4,"SBI ParlimentRoad",9000);
insert into BankAccount values(7,"SBI Jantarmantar",8000);
insert into BankAccount values(6,"SBI ShivajiRoad",4000);
insert into BankAccount values(8,"SBI ResidencyRoad",4000);
insert into BankAccount values(9, "SBI ParlimentRoad", 3000);
insert into BankAccount values(10,"SBI ResidencyRoad",5000);
insert into BankAccount values(11,"SBI Jantarmantar",2000);
select * from BankAccount;
insert into BankCustomer values("Avinash", "Bull Temple Road", "Bengaluru");
insert into BankCustomer values("Dinesh", "Bannergatta_Road", "Bengaluru");
insert into BankCustomer
values("Mohan","NationalCollege_Road","Bengaluru");
insert into BankCustomer values("Nikil","Akbar Road","Delhi");
insert into BankCustomer values("Ravi", "Prithviraj Road", "Delhi");
select * from BankCustomer:
insert into Depositer values("Avinash",1);
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insert into Depositer values("Dinesh",2);
insert into Depositer values("Nikil",4);
insert into Depositer values("Ravi",7);
insert into Depositer values("Avinash",8);
insert into Depositer values("Nikil",9);
insert into Depositer values("Dinesh",10);
insert into Depositer values("Nikil",11);
select * from Depositer;
insert into Loan values(1,"SBI Chamrajpet",1000);
insert into Loan values(2,"SBI ResidencyRoad",2000);
insert into Loan values(3,"SBI ShivajiRoad",3000);
insert into Loan values(4,"SBI_ParlimentRoad",4000);
insert into Loan values(7, "SBI_Jantarmantar", 5000);
select * from Loan;
select Branch_name, CONCAT(assets/100000, 'lakhs')assets_in_lakhs
from branch;
select d.Customername from Depositer d, BankAccount b where
b.Branch name='SBI ResidencyRoad'and d.Accno=b.Accno group by
d.Customername having count(d.Accno)=2;
create view sum_of_loan
```

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as select Branch_name, SUM(Balance)
from BankAccount
group by Branch_name;
select * from sum_of_loan;
```

select bc.Customername, CONCAT(Balance+1000,'rupees')

UPDATED\_BALANCE from BankAccount b, BankCustomer bc, Depositer d
where bc.Customername=d.Customername and b.Accno=d.Accno and
bc.Customercity='Bengaluru';

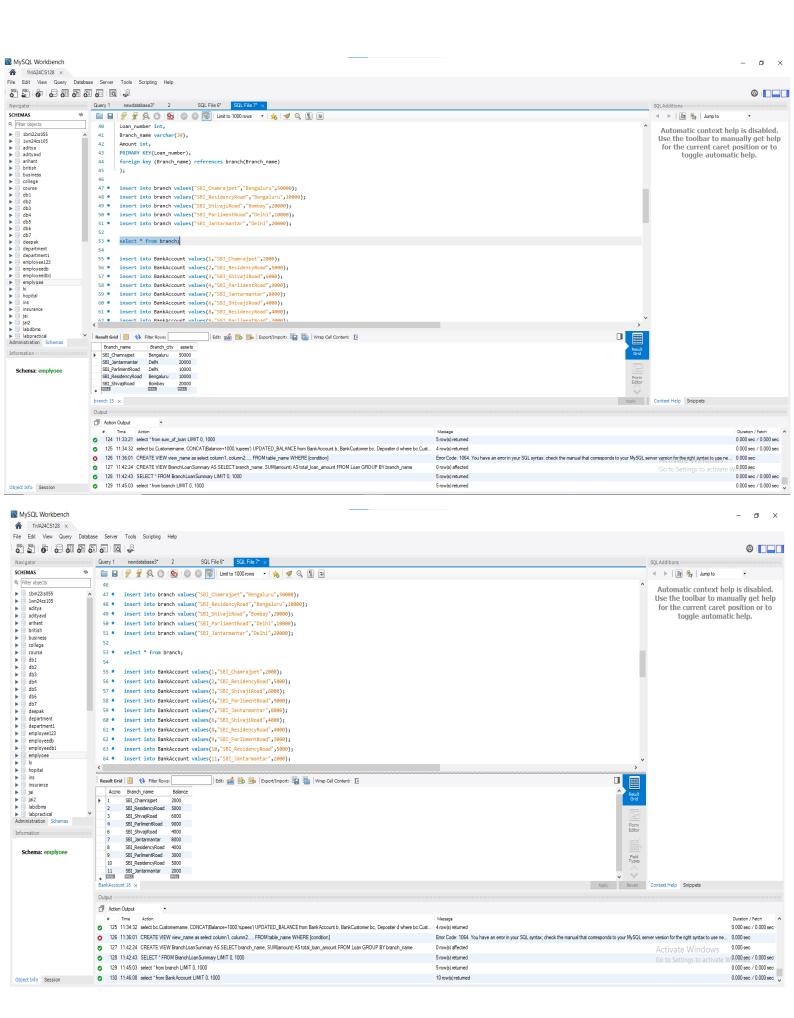
CREATE VIEW BranchLoanSummary AS

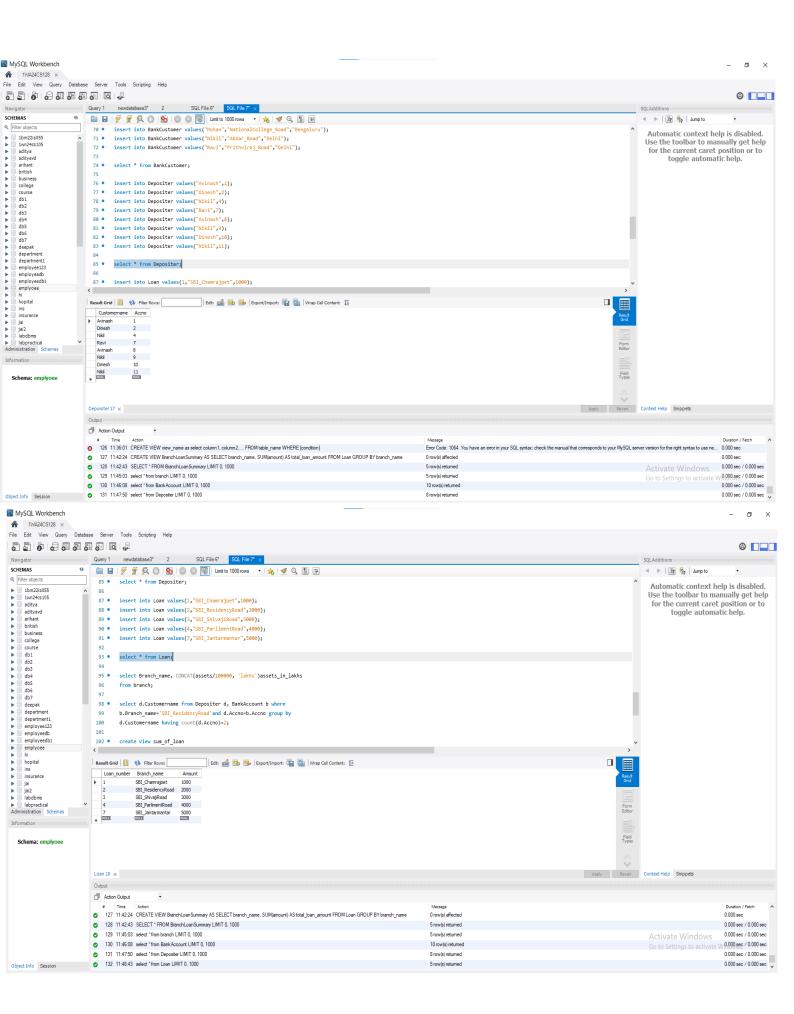
SELECT branch\_name, SUM(amount) AS total\_loan\_amount

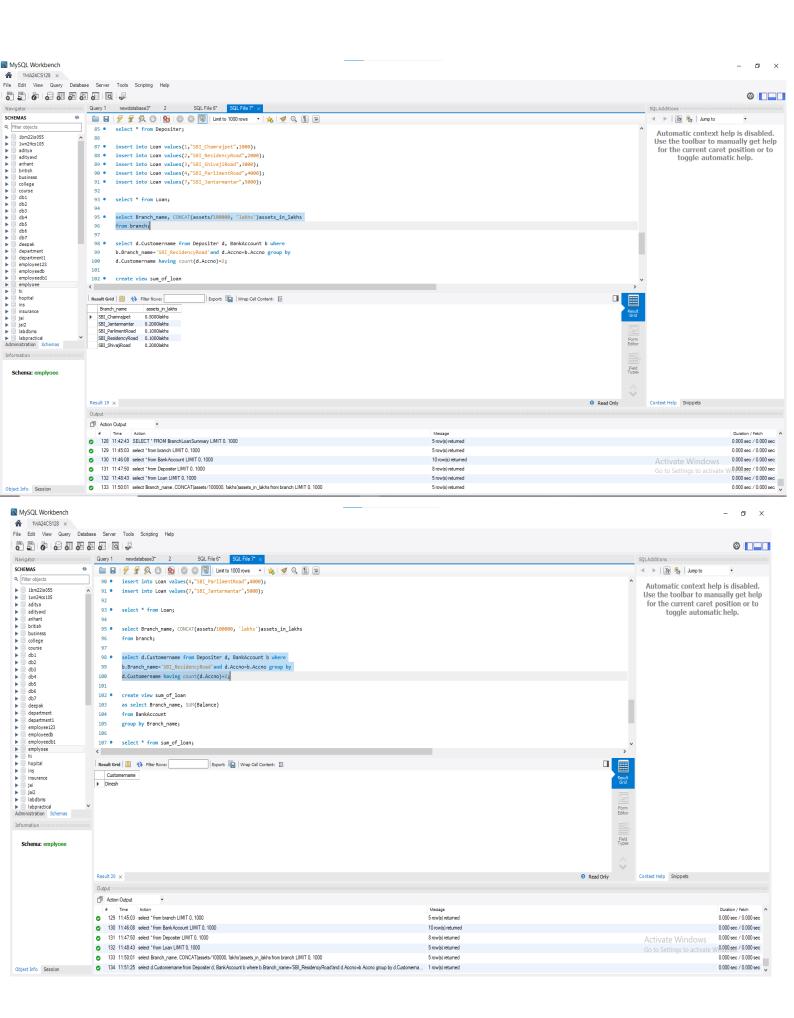
FROM Loan

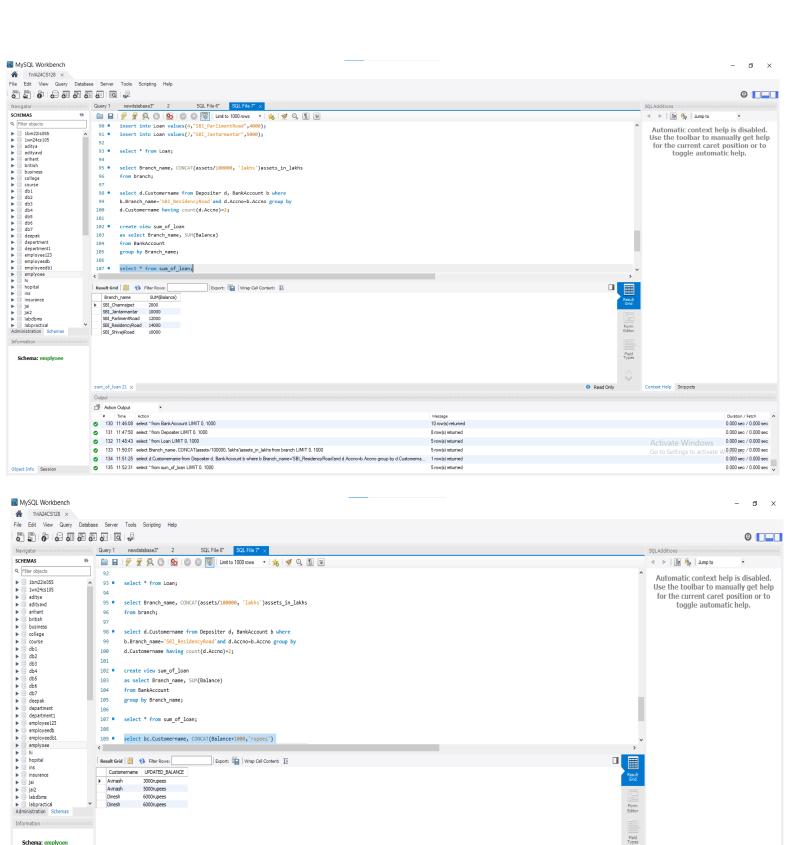
GROUP BY branch\_name;

SELECT \* FROM BranchLoanSummary;









8 row(s) returned

5 row(s) returned

5 row(s) returned

1 row(s) returned

5 row(s) returned

Result 22 ×

131 11:47:50 select \*from Depositer LIMIT 0, 1000

135 11:52:31 select \*from sum\_of\_loan LIMIT 0, 1000

133 11:50:01 select Branch\_name, CONCAT(assets/100000, 1akhs')assets\_in\_lakhs from branch LIMIT 0, 1000

134 11:51:25 select d.Customemame from Depositer d, BankAccount b where b.Branch\_name='SBI\_ResidencyRoad'and d.Accno=b.Accno group by d.Cust

136 11:53:31 select bc.Customemame, CONCAT(Balance+1000, hupees') UPDATED\_BALANCE from BankAccount b, BankCustomer bc, Depositer d where bc.Cust... 4 row(s) returned

132 11:48:43 select \*from Loan LIMIT 0, 1000

Output Action Output

0

Object Info Session

Context Help Snippets

0.000 sec / 0.000 sec

Read Only

