create database 1bm21cs052\_Bank1;

use 1bm21cs052\_Bank1;

create table branch(

branch\_name varchar(20),

branch\_city varchar(10),

assets real,

PRIMARY KEY(branch\_name)

);

create table bankCustomer(

customer\_name varchar(20),

customer\_street varchar(20),

customer\_city varchar(15),

PRIMARY KEY(customer\_name)

);

create table bankAccount(

accno int,

branch\_name varchar(20),

balance real,

PRIMARY KEY(accno),

FOREIGN KEY(branch\_name) REFERENCES branch(branch\_name)

ON UPDATE CASCADE ON DELETE CASCADE

);

create table loan(

loan\_no int,

branch\_name varchar(20),

amount real,

PRIMARY KEY(loan\_no),

FOREIGN KEY(branch\_name) REFERENCES branch(branch\_name)

ON UPDATE CASCADE ON DELETE CASCADE

);

create table depositer(

customer\_name varchar(20),

accno int,

FOREIGN KEY(customer\_name) REFERENCES bankCustomer(customer\_name)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY(accno) REFERENCES bankAccount(accno)

ON UPDATE CASCADE ON DELETE CASCADE

);

insert into branch values('sbi\_chamrajpet','bangalore',50000);

insert into branch values('sbi\_residencyRoad','bangalore',10000);

insert into branch values('sbi\_shivajiRoad','bombay',20000);

insert into branch values('sbi\_parliamentRoad','delhi',10000);

insert into branch values('sbi\_jantarMantar','delhi',20000);

insert into branch values('sbi\_mantrimarg','delhi',200000);

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\_parliamentRoad',9000);

insert into bankAccount values(5,'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\_parliamentRoad',3000);

insert into bankAccount values(10,'sbi\_residencyRoad',5000);

insert into bankAccount values(11,'sbi\_jantarMantar',2000);

insert into bankAccount values(12,'sbi\_mantrimarg',2000);

insert into bankCustomer values('avinash','bull\_temple\_road','bangalore');

insert into bankCustomer values('dinesh','bannergatta\_road','bangalore');

insert into bankCustomer values('mohan','nationalCollege\_road','bangalore');

insert into bankCustomer values('nikil','akbar\_road','delhi');

insert into bankCustomer values('ravi','prithviraj\_road','delhi');

insert into depositer values('avinash',1);

insert into depositer values('dinesh',2);

insert into depositer values('nikil',4);

insert into depositer values('ravi',5);

insert into depositer values('avinash',8);

insert into depositer values('nikil',9);

insert into depositer values('dinesh',10);

insert into depositer values('nikil',11);

insert into loan values(1,'sbi\_chamrajpet',1000);

insert into loan values(2,'sbi\_residencyRoad',2000);

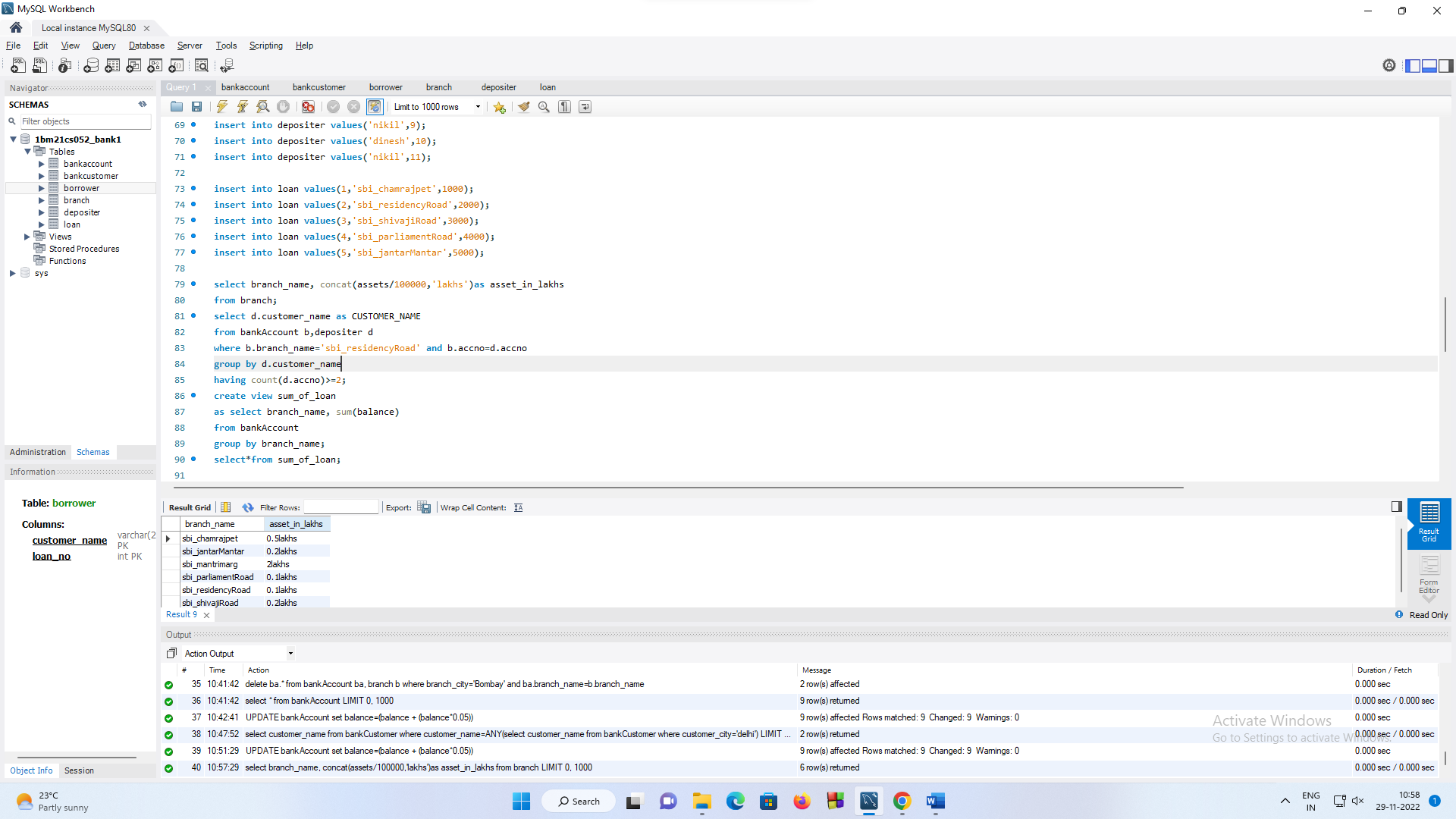
insert into loan values(3,'sbi\_shivajiRoad',3000);

insert into loan values(4,'sbi\_parliamentRoad',4000);

insert into loan values(5,'sbi\_jantarMantar',5000);

select branch\_name, concat(assets/100000,'lakhs')as asset\_in\_lakhs

from branch;



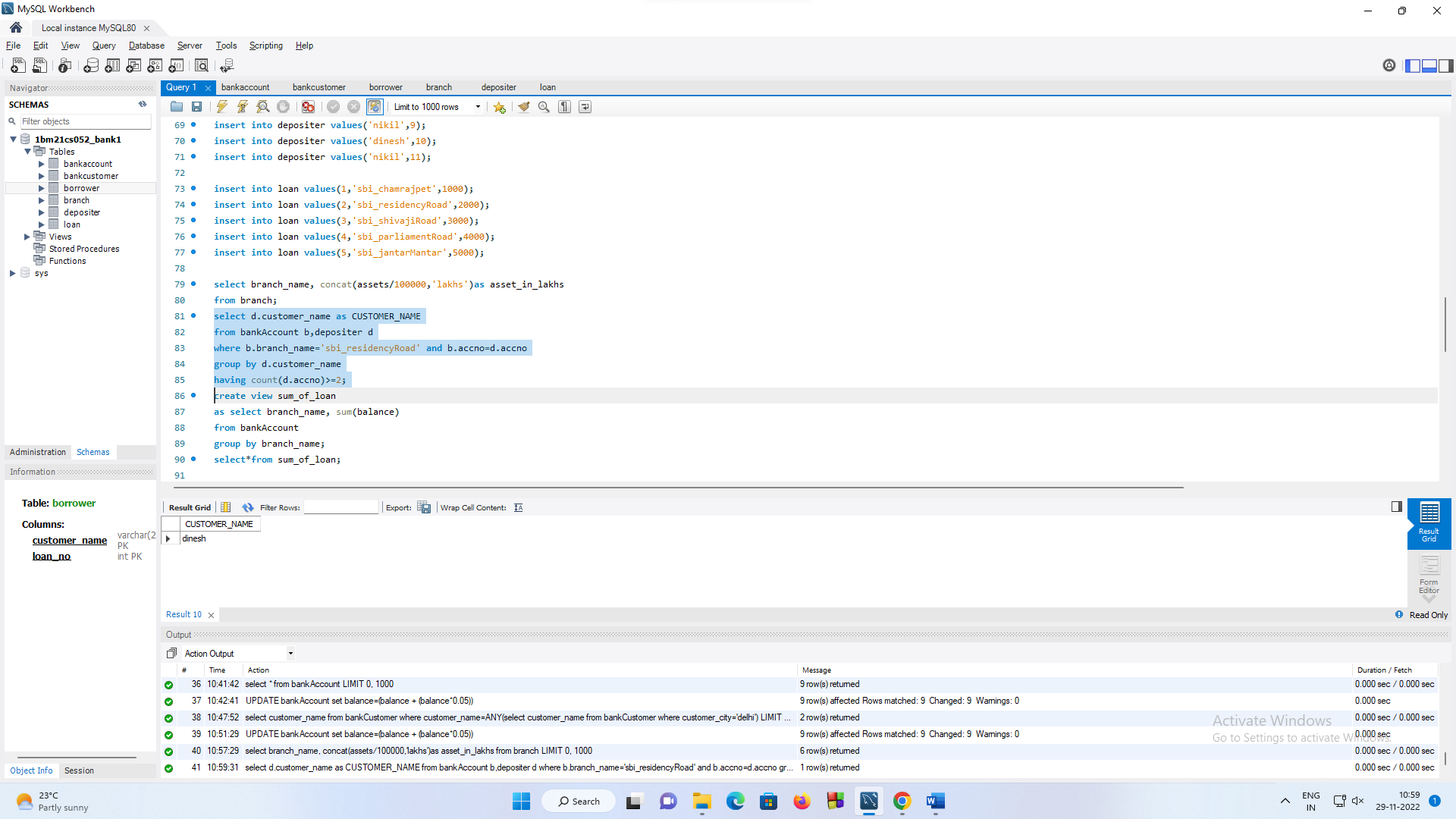
select d.customer\_name as CUSTOMER\_NAME

from bankAccount b,depositer d

where b.branch\_name='sbi\_residencyRoad' and b.accno=d.accno

group by d.customer\_name

having count(d.accno)>=2;



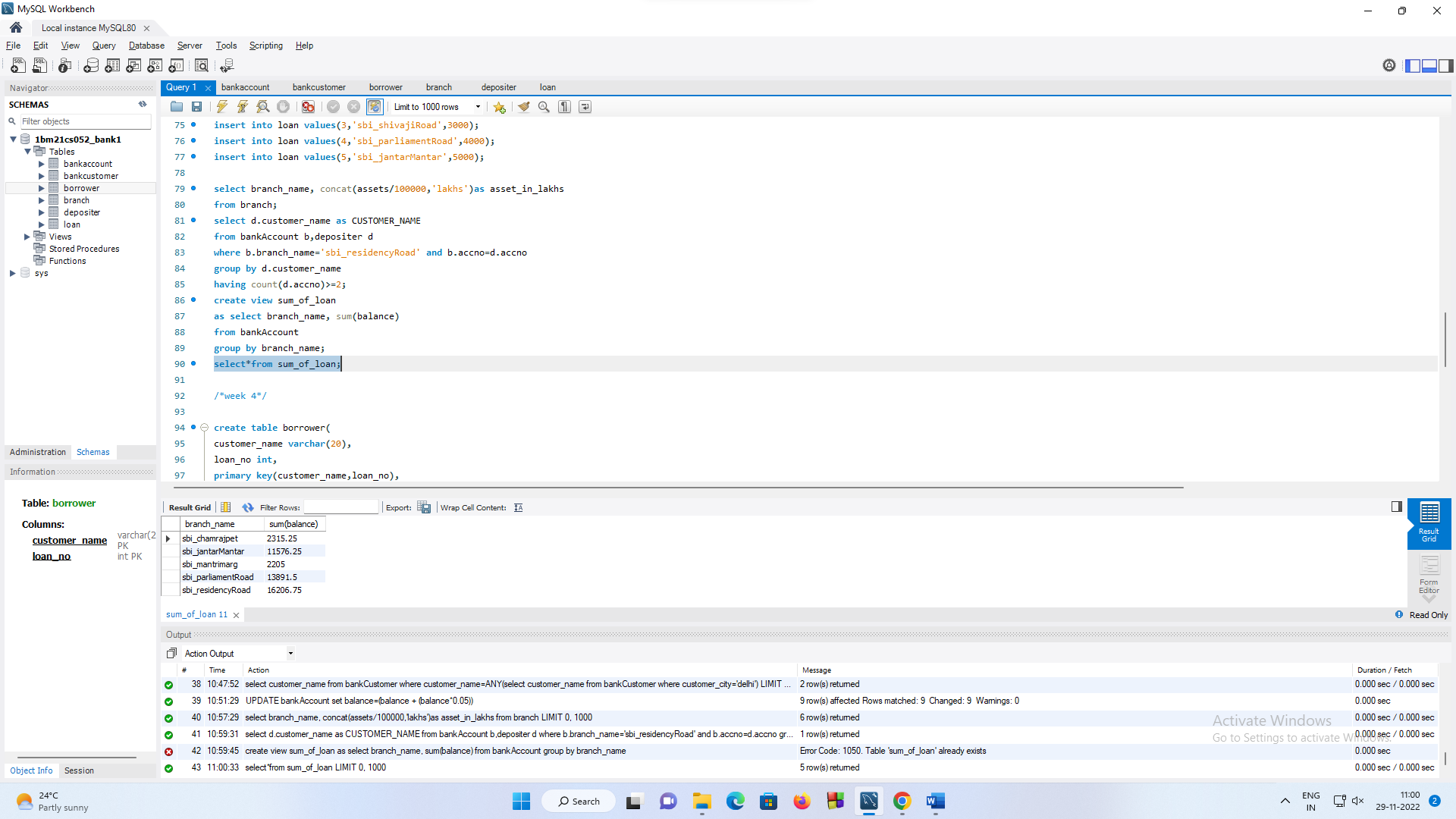
create view sum\_of\_loan

as select branch\_name, sum(balance)

from bankAccount

group by branch\_name;

select\*from sum\_of\_loan;



/\*week 4\*/

create table borrower(

customer\_name varchar(20),

loan\_no int,

primary key(customer\_name,loan\_no),

foreign key(loan\_no) references loan(loan\_no)

);

insert into borrower values('avinash',1);

insert into borrower values('dinesh',2);

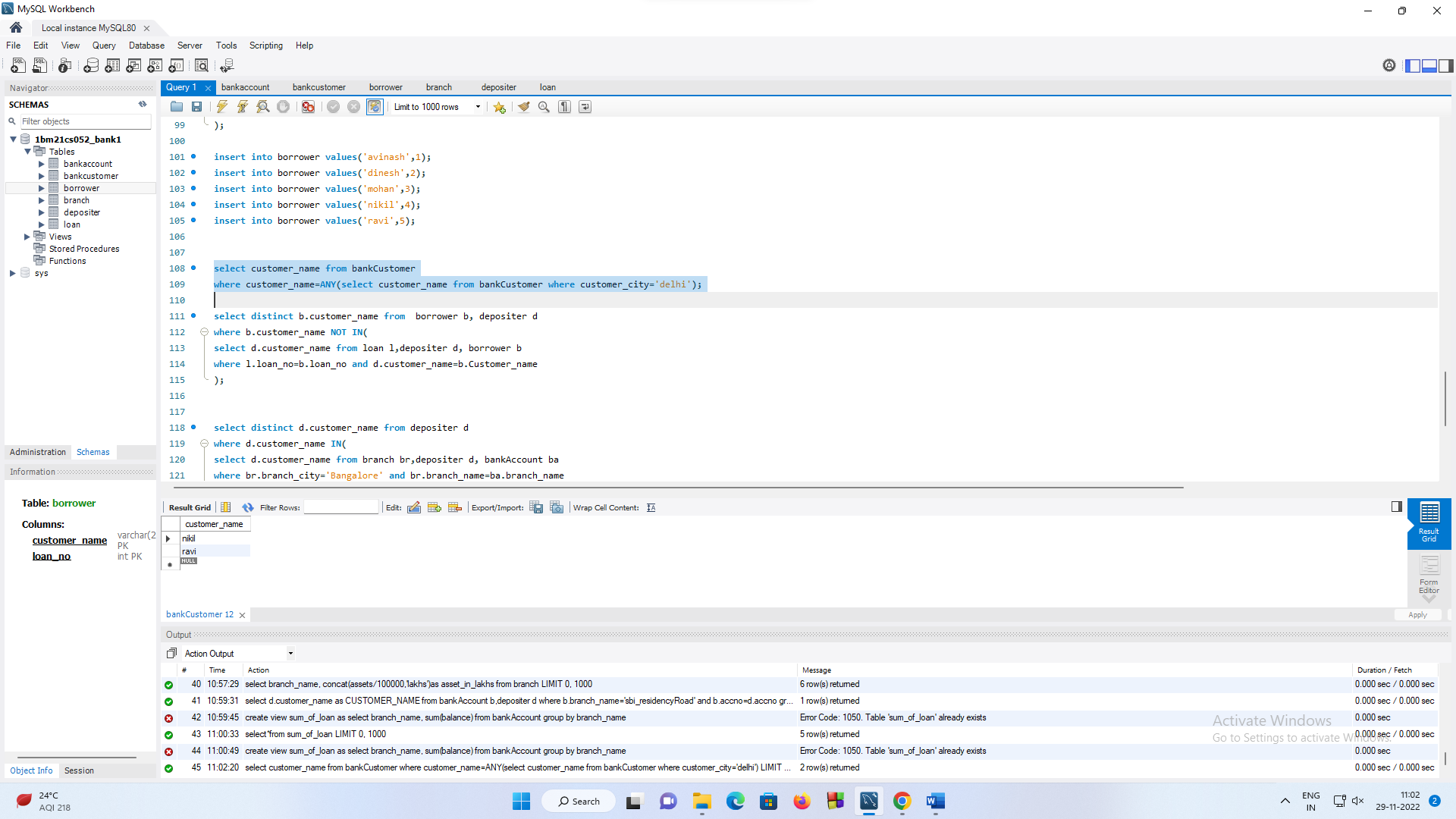
insert into borrower values('mohan',3);

insert into borrower values('nikil',4);

insert into borrower values('ravi',5);

select customer\_name from bankCustomer

where customer\_name=ANY(select customer\_name from bankCustomer where customer\_city='delhi');



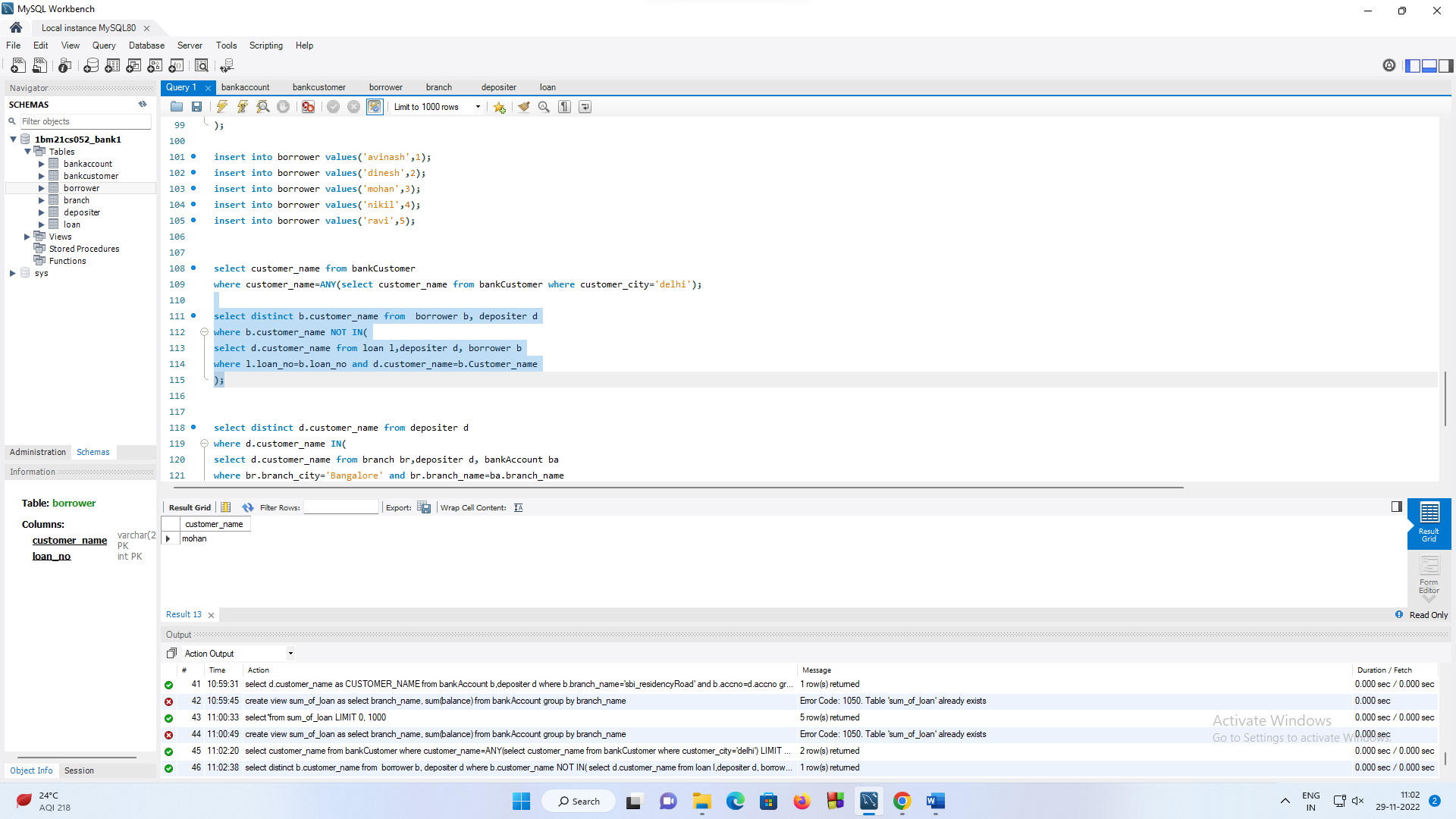
select distinct b.customer\_name from borrower b, depositer d

where b.customer\_name NOT IN(

select d.customer\_name from loan l,depositer d, borrower b

where l.loan\_no=b.loan\_no and d.customer\_name=b.Customer\_name

);



select distinct d.customer\_name from depositer d

where d.customer\_name IN(

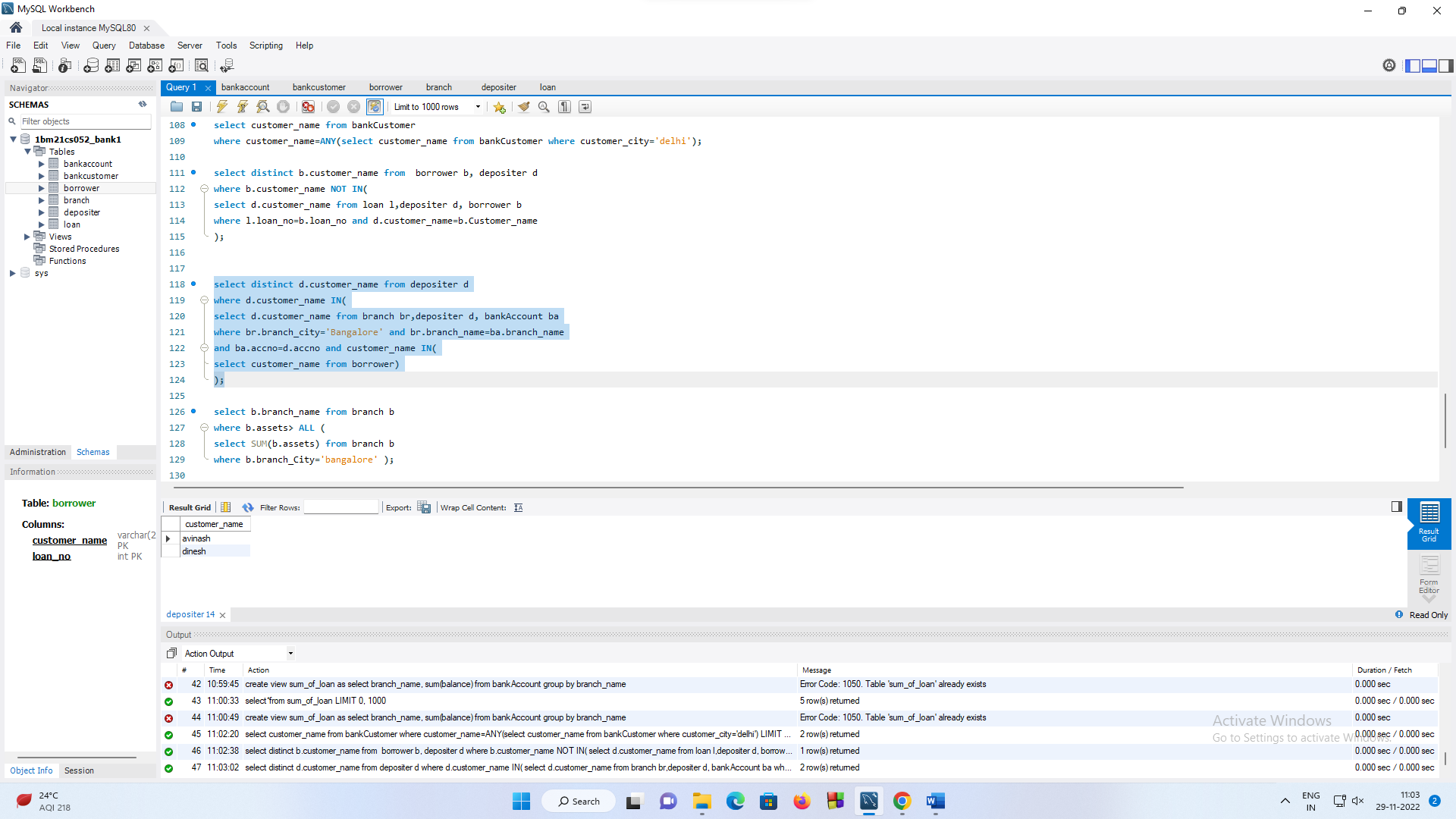
select d.customer\_name from branch br,depositer d, bankAccount ba

where br.branch\_city='Bangalore' and br.branch\_name=ba.branch\_name

and ba.accno=d.accno and customer\_name IN(

select customer\_name from borrower)

);

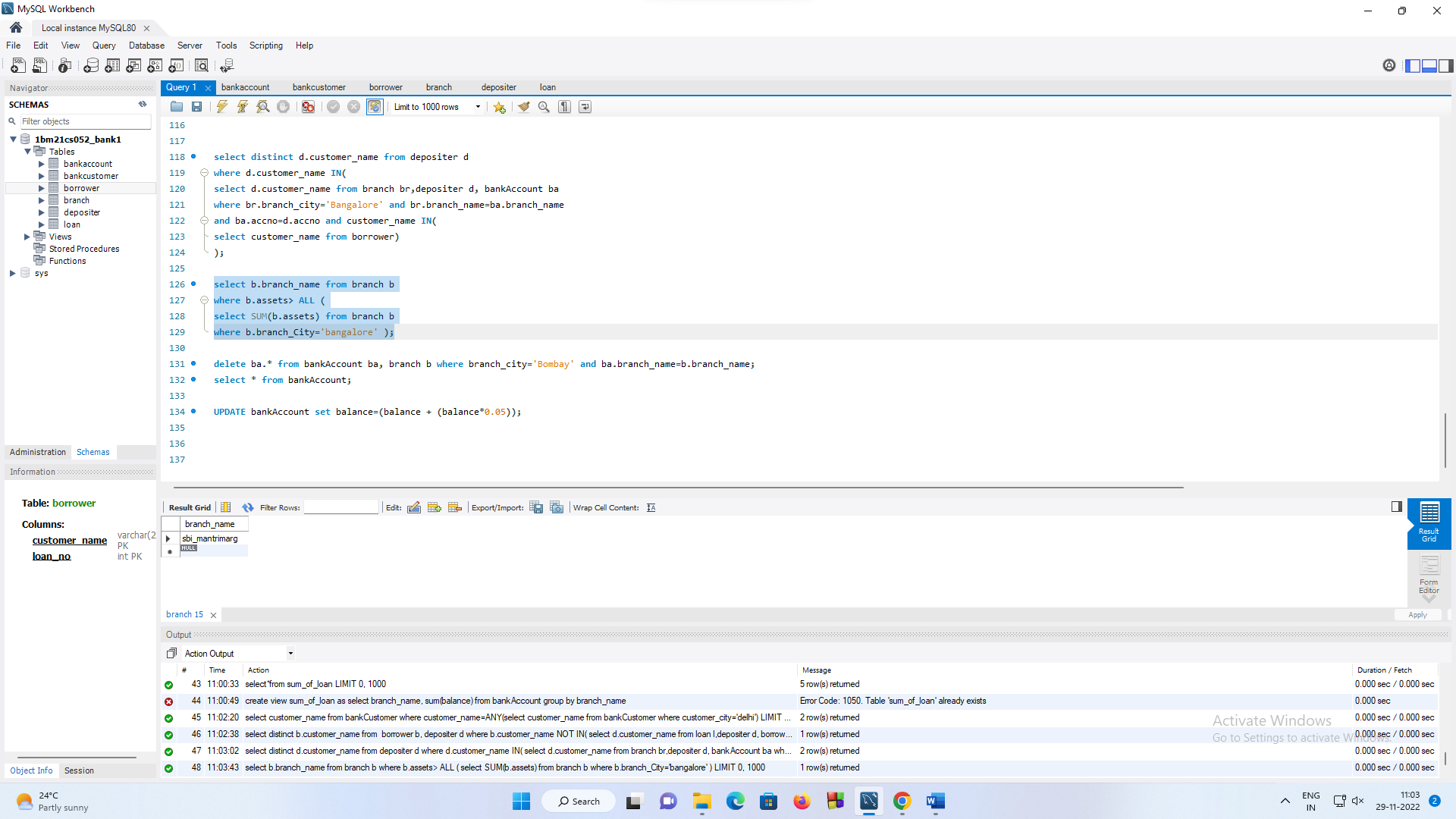


select b.branch\_name from branch b

where b.assets> ALL (

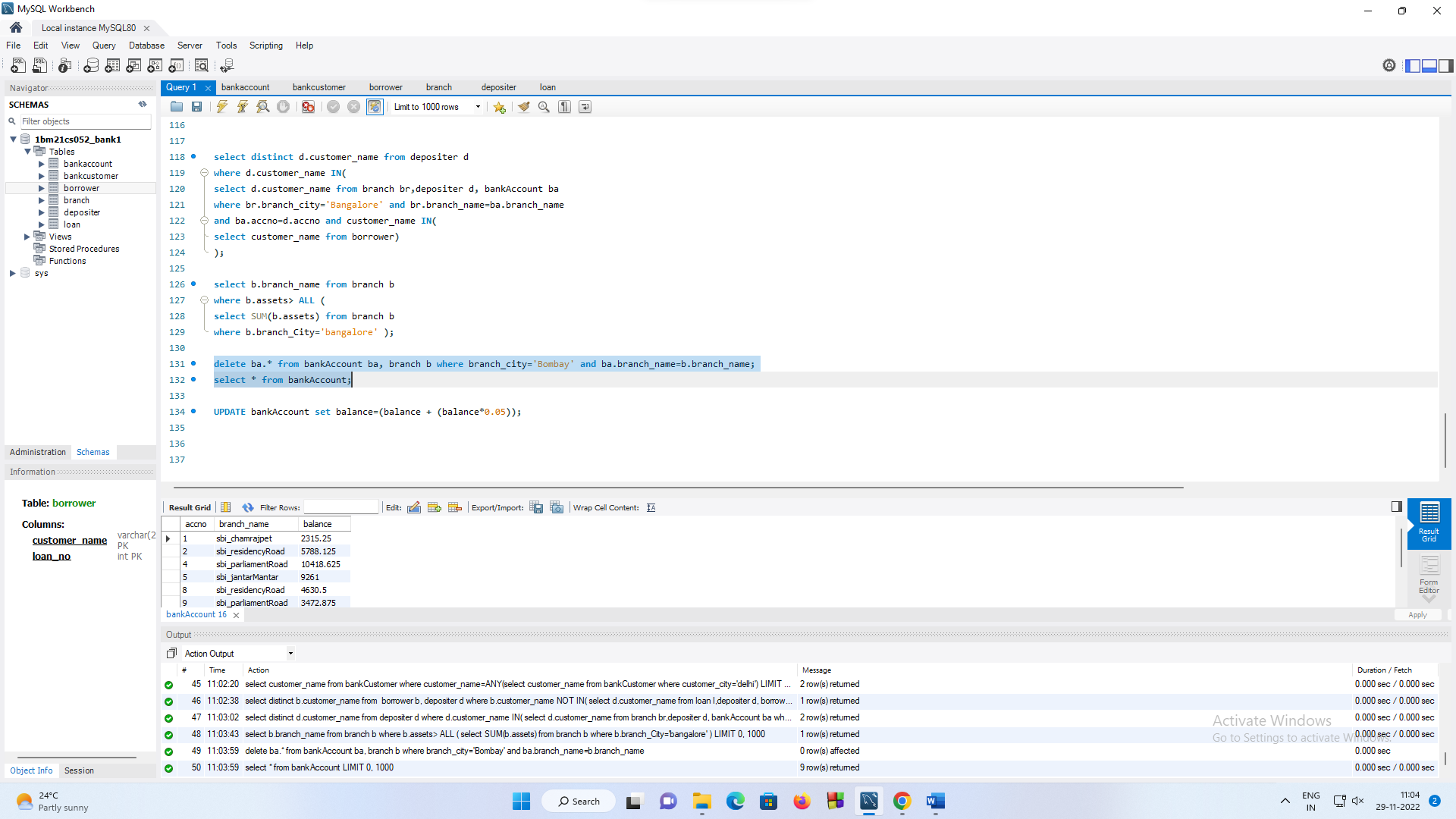
select SUM(b.assets) from branch b

where b.branch\_City='bangalore' );



delete ba.\* from bankAccount ba, branch b where branch\_city='Bombay' and ba.branch\_name=b.branch\_name;

select \* from bankAccount;



UPDATE bankAccount set balance=(balance + (balance\*0.05));

delete from branch where branch\_city='bangalore';

select \* from branch;

