```
create database banking;
 1 .
       show databases;
 2 .
       use banking;
       show tables;
 5 • ⊖ create table branch(
       branch_name varchar(20),
       branch_city varchar(20),
       assets real,
 8
       primary key(branch_name)
10
11 • ⊖ create table account(
       accno int,
12
       branch_name varchar(20),
13
       balance real,
14
       primary key(accno),
15
       foreign key (branch_name) references branch(branch_name)
16
       );
17
18 • ⊖ create table depositor(
       customer_name varchar(20),
19
20
       customer_street varchar(20),
       customer_city varchar(20),
21
       primary key(customer_name)
22
23
       );
```

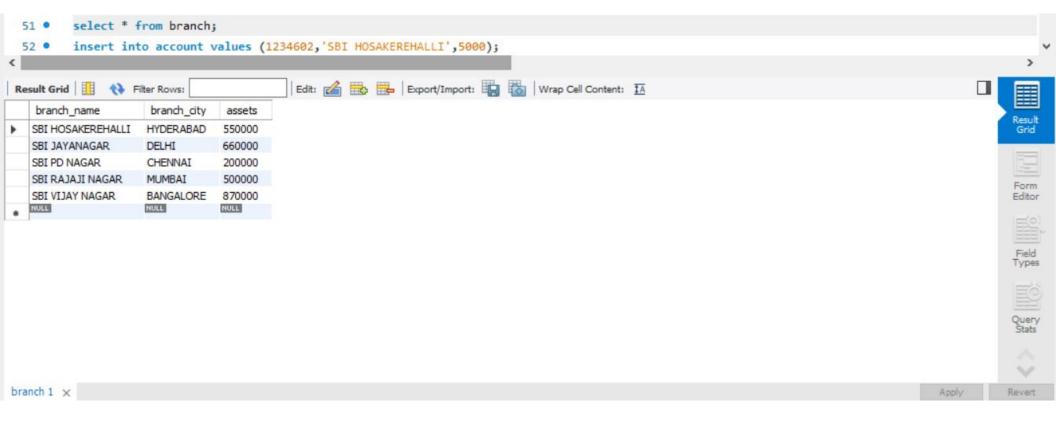
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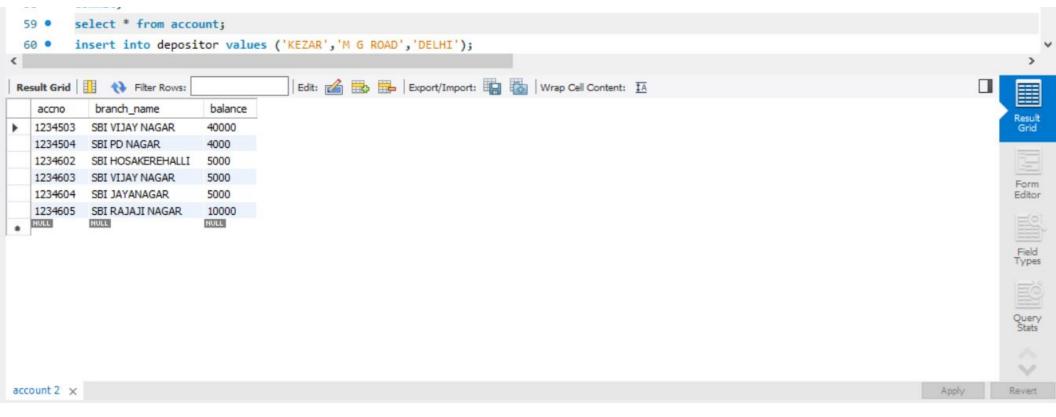
```
primary key(customer_name)
 22
 23
 24 • ⊖ create table loan(
         loan number int,
 25
         branch_name varchar(20),
 26
         amount real,
 27
         foreign key (branch_name) references branch(branch_name)
 28
 29
        );
 30 ● ⊖ create table borrower(
         customer_name varchar(20),
 31
         loan_number int,
 32
         primary key(loan number),
 33
 34
         foreign key(customer_name)references depositor(customer_name),
         foreign key(loan_number)references loan(loan_number)
 35
 36
 37 • ⊖ create table customer(
         customer name varchar(20),
 38
 39
         accno int,
         primary key(customer name ,accno),
 40
 41
         foreign key (accno) references accounts(accno) on delete cascade on update cascade,
         foreign key (customer_name) references customer(customer_name) on delete cascade on update
 42
         cascade);
 43
 44
<
```

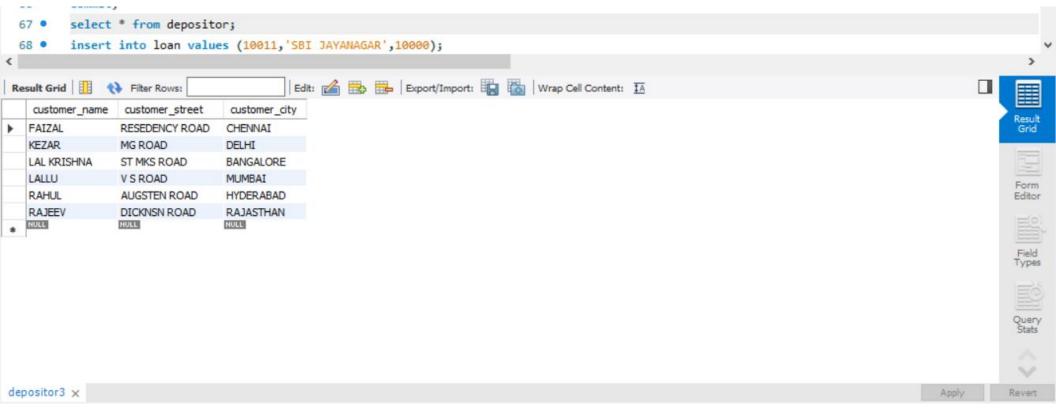
```
46 •
         insert into branch values ('SBI RAJAJI NAGAR', 'MUMBAI', 500000);
 47 •
         insert into branch values ('SBI JAYANAGAR', 'DELHI', 660000);
         insert into branch values ('SBI VIJAY NAGAR', 'BANGALORE', 870000);
 48
 49 •
         insert into branch values ('SBI HOSAKEREHALLI', 'HYDERABAD', 550000);
 50 •
         commit;
         select * from branch;
 51 •
         insert into account values (1234602, 'SBI HOSAKEREHALLI', 5000);
 52 •
         insert into account values (1234603, 'SBI VIJAY NAGAR', 5000);
 53 •
 54 •
         insert into account values (1234604, 'SBI JAYANAGAR', 5000);
 55 •
         insert into account values (1234605, 'SBI RAJAJI NAGAR', 10000);
         insert into account values (1234503, 'SBI VIJAY NAGAR', 40000);
 56
 57 •
         insert into account values (1234504, 'SBI PD NAGAR', 4000);
 58 •
         commit;
         select * from account;
 59 •
         insert into depositor values ('KEZAR', 'M G ROAD', 'DELHI');
 60 •
         insert into depositor values ('LAL KRISHNA', 'ST MKS ROAD', 'BANGALORE');
 61 •
         insert into depositor values ('RAHUL', 'AUGSTEN ROAD', 'HYDERABAD');
 62 •
 63 •
         insert into depositor values ('LALLU', 'V S ROAD', 'MUMBAI');
 64 •
         insert into depositor values ('FAIZAL', 'RESEDENCY ROAD', 'CHENNAI');
 65 •
         insert into depositor values ('RAJEEV', 'DICKNSN ROAD', 'RAJASTHAN');
 66 •
         commit;
 67 •
         select * from depositor;
         insert into loan values (10011, 'SBI JAYANAGAR', 10000);
 68
<
```

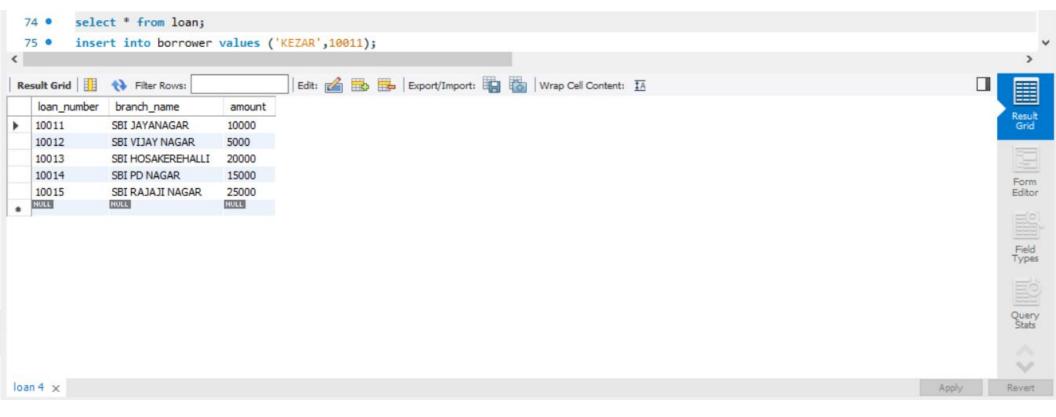
```
select * from depositor;
 67 •
         insert into loan values (10011, 'SBI JAYANAGAR', 10000);
 68 •
         insert into loan values (10012, 'SBI VIJAY NAGAR', 5000);
  69 •
 70 •
         insert into loan values (10013, 'SBI HOSAKEREHALLI', 20000);
         insert into loan values (10014, 'SBI PD NAGAR', 15000);
 71 •
 72 •
         insert into loan values (10015, 'SBI RAJAJI NAGAR', 25000);
 73 •
         commit:
  74 •
         select * from loan;
         insert into borrower values ('KEZAR', 10011);
 75 •
         insert into borrower values ('LAL KRISHNA', 10012);
 76 •
         insert into borrower values ('RAHUL', 10013);
 77 •
 78 •
         insert into borrower values ('LALLU', 10014);
 79 •
         insert into borrower values ('LAL KRISHNA', 10015);
  80 0
         commit;
         select * from borrower;
 81 •
         insert into customer values ('KEZAR', 1234602);
 82 •
 83 •
         insert into customer values ('LAL KRISHNA', 1234603);
         insert into customer values ('RAHUL', 1234604);
 84 •
 85 •
         insert into customer values ('LALLU', 1234605);
 86 •
         insert into customer values ('FAIZAL', 1234503);
 87 •
         insert into customer values ('RAJEEV',1234604);
 88
         commit;
 89 •
         select * from customer;
<
```

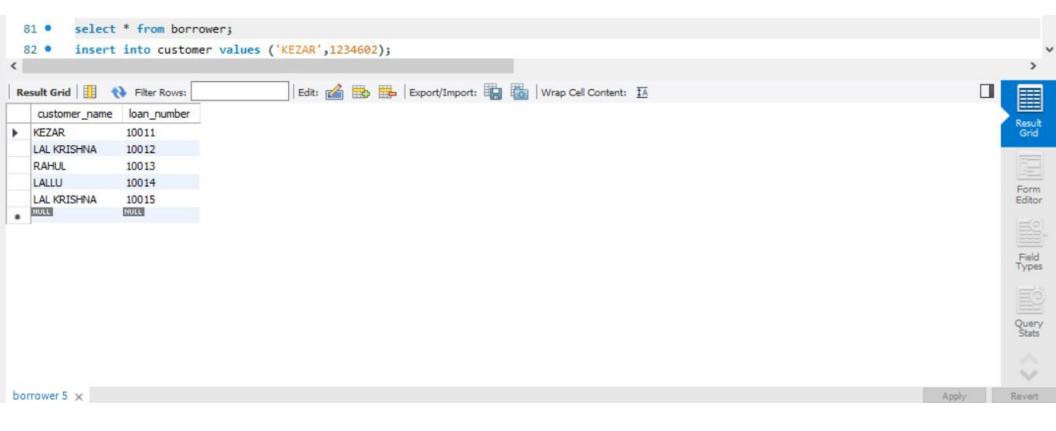
```
88 •
         commit;
         select * from customer;
 89 •
 90
 91
 92 •
         SELECT customer name
 93
                     FROM customer c,account a
                     WHERE c.accno=a.accno
                     AND a.branch name='SBI VIJAY NAGAR'
                     GROUP BY c.customer_name
 96
                    HAVING COUNT(c.customer_name)>=1;
 97
 98
          SELECT customer name
 99 •
         FROM branch b, account a, customer c
100
101
         WHERE b.branch_name = a.branch_name AND
               a.accno = c.accno AND
102
               b.branch city = 'BANGALORE'
103
      GROUP BY customer name HAVING COUNT( DISTINCT(b.branch name)) = ( SELECT COUNT(branch name)
104
                   FROM branch WHERE branch_city = 'BANGALORE');
105
106
         SELECT * FROM account ;
107 •
108 •
         DELETE FROM account
109
         WHERE branch_name IN (SELECT branch_name FROM branch WHERE branch_city = 'BANGALORE');
110 •
        SELECT * FROM account;
<
```

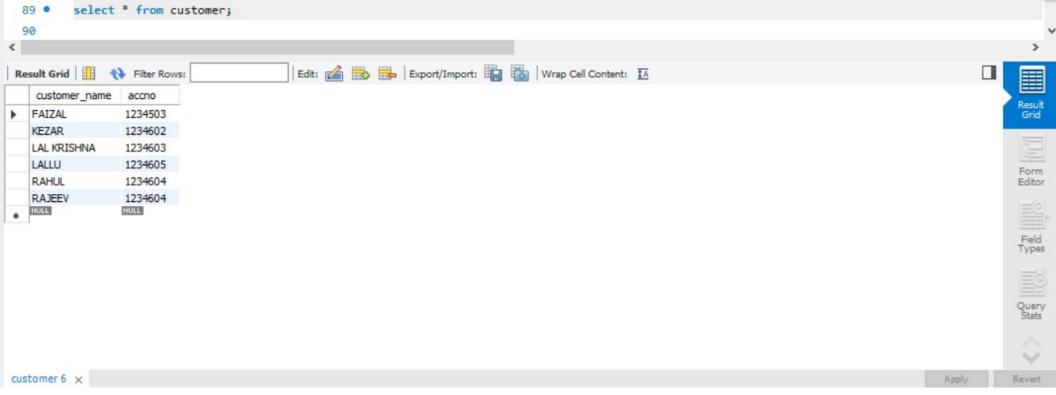


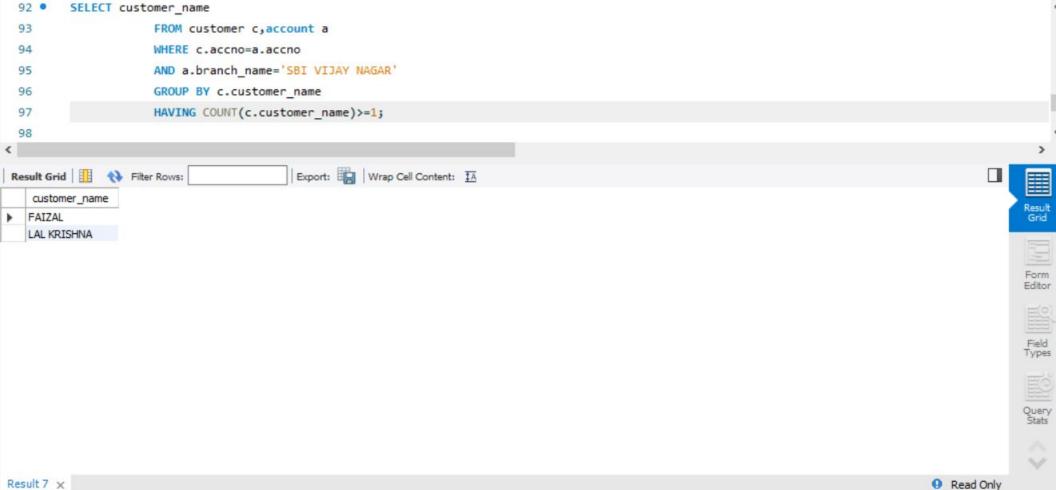












```
SELECT customer_name
 99 •
        FROM branch b, account a, customer c
100
101
        WHERE b.branch_name = a.branch_name AND
102
              a.accno = c.accno AND
              b.branch city = 'BANGALORE'
103
      GROUP BY customer_name HAVING COUNT( DISTINCT(b.branch_name)) = ( SELECT COUNT(branch_name)
104
                  FROM branch WHERE branch_city = 'BANGALORE');
105
106
Export: Wrap Cell Content: IA
   customer_name
  FAIZAL
  LAL KRISHNA
Result 9 ×

    Read Only
```

