Name: Dinesh Rathod
Roll No: TA57


```
mysql> use bank;
Database changed
mysql> show tables;
+----------------+
| Tables_in_bank |
+----------------+
| borrow         |
| branch         |
| customers      |
| deposit        |
+----------------+
4 rows in set (0.01 sec)

mysql> select * from customers;
+----------+-----------+------------+
| cname    | city      | jdate      |
+----------+-----------+------------+
| Abhishek | Mumbai    | 2022-05-12 |
| Amit     | Kolkata   | 2023-06-09 |
| ANIL     | Mumbai    | 2023-10-10 |
| Dinesh   | Pune      | 2021-01-02 |
| Neha     | Pune      | 2022-11-17 |
| Omkar    | Mumbai    | 2021-09-02 |
| Pragati  | Jalgav    | 2023-03-04 |
| Priya    | Chennai   | 2022-09-25 |
| Rahul    | Bangalore | 2023-01-30 |
| Ravi     | Hyderabad | 2023-04-18 |
| Sanket   | Nagpur    | 2021-11-02 |
| Sneha    | Delhi     | 2022-08-15 |
| Soham    | Pune      | 2021-11-11 |
| Tanmay   | Nagpur    | 2022-10-22 |
+----------+-----------+------------+
14 rows in set (0.02 sec)

mysql> select * from branchs;
ERROR 1146 (42S02): Table 'bank.branchs' doesn't exist
mysql> select * from branch;
Empty set (0.01 sec)

mysql> select * from branches;
ERROR 1146 (42S02): Table 'bank.branches' doesn't exist
mysql> select * from branch;
Empty set (0.00 sec)

mysql> select city from customers;
+-----------+
| city      |
+-----------+
| Mumbai    |
| Kolkata   |
```

```
| Mumbai    |
| Pune      |
| Pune      |
| Mumbai    |
| Jalgav    |
| Chennai   |
| Bangalore |
| Hyderabad |
| Nagpur    |
| Delhi     |
| Pune      |
| Nagpur    |
+-----------+
14 rows in set (0.00 sec)

mysql> ^C
mysql> INSERT INTO Branch (bname, city) VALUES ('ANAND NAGAR', 'Mumbai'),
('KATRAJ', 'Pune'),('SHIVAJI NAGAR', 'Pune'), ('MG ROAD', 'Bangalore'), ('TILAK
ROAD', 'Pune'),('RAJIV CHOWK', 'Delhi'), ('KARVE ROAD', 'Pune'), ('CAMP',
'Pune'), ('SALT LAKE', 'Kolkata'), ('GARIAHAT', 'Kolkata'), ('SANTACRUZ',
'Mumbai'), ('ANDHERI', 'Mumbai'), ('ELECTRONIC CITY', 'Bangalore'),
('WHITEFIELD', 'Bangalore'), ('HI-TECH CITY', 'Hyderabad'), ('BANJARA HILLS',
'Hyderabad'), ('T NAGAR', 'Chennai'),('ADYAR', 'Chennai'), ('NEW DELHI',
'Delhi'), ('GREATER KAILASH', 'Delhi'), ('CIVIL LINES', 'Delhi'), ('GANDHI
BAZAAR', 'Bangalore'), ('BTM LAYOUT', 'Bangalore');
Query OK, 23 rows affected (0.02 sec)
Records: 23  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Deposit (account_no, cname, bname, amount, adate)
    -> VALUES
    ->     (1, 'Abhishek', 'ANAND NAGAR', 5000.00, '2023-08-30'),
    ->     (2, 'Amit', 'KATRAJ', 10000.00, '2023-08-30'),
    ->     (3, 'ANIL', 'SHIVAJI NAGAR', 7500.00, '2023-08-30'),
    ->     (4, 'Dinesh', 'MG ROAD', 3000.00, '2023-08-30'),
    ->     (5, 'Neha', 'TILAK ROAD', 8000.00, '2023-08-30'),
    ->     (6, 'Omkar', 'RAJIV CHOWK', 6000.00, '2023-08-30'),
    ->     (7, 'Pragati', 'KARVE ROAD', 4500.00, '2023-08-30'),
    ->     (8, 'Priya', 'CAMP', 7000.00, '2023-08-30'),
    ->     (9, 'Rahul', 'SALT LAKE', 5500.00, '2023-08-30'),
    ->     (10, 'Ravi', 'GARIAHAT', 3500.00, '2023-08-30'),
    ->     (11, 'Sanket', 'SANTACRUZ', 9000.00, '2023-08-30'),
    ->     (12, 'Sneha', 'ANDHERI', 2000.00, '2023-08-30'),
    ->     (13, 'Soham', 'ELECTRONIC CITY', 4000.00, '2023-08-30'),
    ->     (14, 'Tanmay', 'WHITEFIELD', 6500.00, '2023-08-30');
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Borrow (loan_no, cname, bname, ammount)
    -> VALUES
    ->     (101, 'Abhishek', 'ANAND NAGAR', 2000.00),
    ->     (102, 'Amit', 'KATRAJ', 5000.00),
    ->     (103, 'ANIL', 'SHIVAJI NAGAR', 3000.00),
    ->     (104, 'Dinesh', 'MG ROAD', 10000.00),
    ->     (105, 'Neha', 'TILAK ROAD', 8000.00),
```

```
    ->        (106, 'Omkar', 'RAJIV CHOWK', 6000.00),
    ->        (107, 'Pragati', 'KARVE ROAD', 4500.00),
    ->        (108, 'Priya', 'CAMP', 7000.00),
    ->        (109, 'Rahul', 'SALT LAKE', 5500.00),
    ->        (110, 'Ravi', 'GARIAHAT', 3500.00),
    ->        (111, 'Sanket', 'SANTACRUZ', 9000.00),
    ->        (112, 'Sneha', 'ANDHERI', 2000.00),
    ->        (113, 'Soham', 'ELECTRONIC CITY', 4000.00),
    ->        (114, 'Tanmay', 'WHITEFIELD', 6500.00);
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> select city from branch where bname ="Anan nagar";
Empty set (0.00 sec)

mysql> select city from branch where bname ="Anand nagar";
+--------+
| city   |
+--------+
| Mumbai |
+--------+
1 row in set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> truncate deposit;
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO Deposit (account_no, cname, bname, amount, adate)
    -> VALUES
    ->        (1, 'Abhishek', 'ANAND NAGAR', 5000.00, '2007-12-01'),
    ->        (2, 'Amit', 'KATRAJ', 10000.00, '2008-08-30'),
    ->        (3, 'ANIL', 'SHIVAJI NAGAR', 7500.00, '2008-02-20'),
    ->        (4, 'Dinesh', 'MG ROAD', 3000.00, '2008-08-24'),
    ->        (5, 'Neha', 'TILAK ROAD', 8000.00, '2007-12-22'),
    ->        (6, 'Omkar', 'RAJIV CHOWK', 6000.00, '2008-05-10'),
    ->        (7, 'Pragati', 'KARVE ROAD', 4500.00, '2009-04-05'),
    ->        (8, 'Priya', 'CAMP', 7000.00, '2023-03-30'),
    ->        (9, 'Rahul', 'SALT LAKE', 5500.00, '2022-08-30'),
    ->        (10, 'Ravi', 'GARIAHAT', 3500.00, '2023-03-20'),
    ->        (11, 'Sanket', 'SANTACRUZ', 9000.00, '2022-09-11'),
    ->        (12, 'Sneha', 'ANDHERI', 2000.00, '2023-08-04'),
    ->        (13, 'Soham', 'ELECTRONIC CITY', 4000.00, '2023-10-10'),
    ->        (14, 'Tanmay', 'WHITEFIELD', 6500.00, '2023-08-30');
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0
```

```
mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2007-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2007-12-01',
'2009-05-01');
+------------+---------+
| account_no | amount  |
+------------+---------+
|          1 | 5000.00 |
+------------+---------+
1 row in set (0.00 sec)

mysql> select account_no,amount from deposit where adate BETWEEN '2007-12-01' And
'2009-05-01';
+------------+----------+
| account_no | amount   |
+------------+----------+
|          1 |  5000.00 |
|          2 | 10000.00 |
|          3 |  7500.00 |
|          4 |  3000.00 |
|          5 |  8000.00 |
|          6 |  6000.00 |
|          7 |  4500.00 |
+------------+----------+
7 rows in set (0.00 sec)

mysql> select cname from customer where jdate ='2021-11-02';
ERROR 1146 (42S02): Table 'bank.customer' doesn't exist
mysql> select cname from customers where jdate ='2021-11-02';
+--------+
| cname  |
+--------+
| Sanket |
+--------+
1 row in set (0.00 sec)

mysql> select * from customer wher cname ="anil";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'cname
="anil"'at line 1
mysql> select * from customer where cname ="anil";
ERROR 1146 (42S02): Table 'bank.customer' doesn't exist
mysql> select * from customers where cname ="anil";
+-------+--------+------------+
| cname | city   | jdate      |
+-------+--------+------------+
| ANIL  | Mumbai | 2023-10-10 |
+-------+--------+------------+
```

```
1 row in set (0.00 sec)

mysql> select * from deposit
    -> Intersect
    -> select * from deposit;
+------------+----------+----------------+----------+------------+
| account_no | cname    | bname          | amount   | adate      |
+------------+----------+----------------+----------+------------+
|          1 | Abhishek | ANAND NAGAR    |  5000.00 | 2007-12-01 |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 |
|          3 | ANIL     | SHIVAJI NAGAR  |  7500.00 | 2008-02-20 |
|          4 | Dinesh   | MG ROAD        |  3000.00 | 2008-08-24 |
|          5 | Neha     | TILAK ROAD     |  8000.00 | 2007-12-22 |
|          6 | Omkar    | RAJIV CHOWK    |  6000.00 | 2008-05-10 |
|          7 | Pragati  | KARVE ROAD     |  4500.00 | 2009-04-05 |
|          8 | Priya    | CAMP           |  7000.00 | 2023-03-30 |
|          9 | Rahul    | SALT LAKE      |  5500.00 | 2022-08-30 |
|         10 | Ravi     | GARIAHAT       |  3500.00 | 2023-03-20 |
|         11 | Sanket   | SANTACRUZ      |  9000.00 | 2022-09-11 |
|         12 | Sneha    | ANDHERI        |  2000.00 | 2023-08-04 |
|         13 | Soham    | ELECTRONIC CITY|  4000.00 | 2023-10-10 |
|         14 | Tanmay   | WHITEFIELD     |  6500.00 | 2023-08-30 |
+------------+----------+----------------+----------+------------+
14 rows in set (0.01 sec)

mysql> select cname from deposit
    -> intersect
    -> select cname from borrow;
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
14 rows in set (0.00 sec)

mysql> alter table customers add (bname Varchar(40));
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select * from customers;
+----------+-----------+------------+---------------+
```

```
| cname     | city      | jdate      | bname          |
+-----------+-----------+------------+----------------+
| Abhishek  | Mumbai    | 2022-05-12 | ANAND NAGAR    |
| Amit      | Kolkata   | 2023-06-09 | KATRAJ         |
| ANIL      | Mumbai    | 2023-10-10 | ANAND NAGAR    |
| Dinesh    | Pune      | 2021-01-02 | SHIVAJI NAGAR  |
| Neha      | Pune      | 2022-11-17 | SHIVAJI NAGAR  |
| Omkar     | Mumbai    | 2021-09-02 | ANAND NAGAR    |
| Pragati   | Jalgav    | 2023-03-04 | PRAGATI        |
| Priya     | Chennai   | 2022-09-25 | PRIYA          |
| Rahul     | Bangalore | 2023-01-30 | RAHUL          |
| Ravi      | Hyderabad | 2023-04-18 | RAVI           |
| Sanket    | Nagpur    | 2021-11-02 | SANKET         |
| Sneha     | Delhi     | 2022-08-15 | SNEHA          |
| Soham     | Pune      | 2021-11-11 | SHIVAJI NAGAR  |
| Tanmay    | Nagpur    | 2022-10-22 | SANKET         |
+-----------+-----------+------------+----------------+
14 rows in set (0.00 sec)

mysql> select * from customers Join branch on customers.city = branch.city and
customers.bname = branch.bname;
+-----------+--------+------------+---------------+---------------+--------+
| cname     | city   | jdate      | bname         | bname         | city   |
+-----------+--------+------------+---------------+---------------+--------+
| Abhishek  | Mumbai | 2022-05-12 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| ANIL      | Mumbai | 2023-10-10 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| Dinesh    | Pune   | 2021-01-02 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
| Neha      | Pune   | 2022-11-17 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
| Omkar     | Mumbai | 2021-09-02 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| Soham     | Pune   | 2021-11-11 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
+-----------+--------+------------+---------------+---------------+--------+
6 rows in set (0.00 sec)

mysql> select cname from deposit
    -> intersect
    -> select cname from borrow
    -> ;
+-----------+
| cname     |
+-----------+
| Abhishek  |
| Amit      |
| ANIL      |
| Dinesh    |
| Neha      |
| Omkar     |
| Pragati   |
| Priya     |
| Rahul     |
| Ravi      |
| Sanket    |
| Sneha     |
| Soham     |
| Tanmay    |
```

```
+----------+
14 rows in set (0.00 sec)

mysql> select cname from deposit join borrow on deposit.cname = borrow.cname;
ERROR 1052 (23000): Column 'cname' in field list is ambiguous
mysql> select borrow.cname from deposit join borrow on deposit.cname =
borrow.cname;
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
14 rows in set (0.00 sec)

mysql> select * from deposit join borrow on deposit.cname = borrow.cname and ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> select * from deposit join borrow on deposit.cname = borrow.cname;
+------------+----------+----------------+----------+------------+---------+----
------+----------------+----------+
| account_no | cname    | bname          | amount   | adate      | loan_no |
cname    | bname          | ammount  |
+------------+----------+----------------+----------+------------+---------+----
------+----------------+----------+
|          1 | Abhishek | ANAND NAGAR    |  5000.00 | 2007-12-01 |     101 |
Abhishek | ANAND NAGAR    |  2000.00 |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 |     102 |
Amit     | KATRAJ         |  5000.00 |
|          3 | ANIL     | SHIVAJI NAGAR  |  7500.00 | 2008-02-20 |     103 |
ANIL     | SHIVAJI NAGAR  |  3000.00 |
|          4 | Dinesh   | MG ROAD        |  3000.00 | 2008-08-24 |     104 |
Dinesh   | MG ROAD        | 10000.00 |
|          5 | Neha     | TILAK ROAD     |  8000.00 | 2007-12-22 |     105 |
Neha     | TILAK ROAD     |  8000.00 |
|          6 | Omkar    | RAJIV CHOWK    |  6000.00 | 2008-05-10 |     106 |
Omkar    | RAJIV CHOWK    |  6000.00 |
|          7 | Pragati  | KARVE ROAD     |  4500.00 | 2009-04-05 |     107 |
Pragati  | KARVE ROAD     |  4500.00 |
|          8 | Priya    | CAMP           |  7000.00 | 2023-03-30 |     108 |
Priya    | CAMP           |  7000.00 |
```

```
|          9 | Rahul    | SALT LAKE       |  5500.00 | 2022-08-30 |      109 |
Rahul     | SALT LAKE       |  5500.00 |
|         10 | Ravi     | GARIAHAT        |  3500.00 | 2023-03-20 |      110 |
Ravi      | GARIAHAT        |  3500.00 |
|         11 | Sanket   | SANTACRUZ       |  9000.00 | 2022-09-11 |      111 |
Sanket    | SANTACRUZ       |  9000.00 |
|         12 | Sneha    | ANDHERI         |  2000.00 | 2023-08-04 |      112 |
Sneha     | ANDHERI         |  2000.00 |
|         13 | Soham    | ELECTRONIC CITY |  4000.00 | 2023-10-10 |      113 |
Soham     | ELECTRONIC CITY |  4000.00 |
|         14 | Tanmay   | WHITEFIELD      |  6500.00 | 2023-08-30 |      114 |
Tanmay    | WHITEFIELD      |  6500.00 |
+------------+----------+-----------------+----------+------------+---------+----
------+-----------------+----------+
14 rows in set (0.00 sec)

mysql> select bname from deposit;
+-----------------+
| bname           |
+-----------------+
| ANAND NAGAR     |
| ANDHERI         |
| CAMP            |
| ELECTRONIC CITY |
| GARIAHAT        |
| KARVE ROAD      |
| KATRAJ          |
| MG ROAD         |
| RAJIV CHOWK     |
| SALT LAKE       |
| SANTACRUZ       |
| SHIVAJI NAGAR   |
| TILAK ROAD      |
| WHITEFIELD      |
+-----------------+
14 rows in set (0.00 sec)

mysql> truncate customers;
ERROR 1701 (42000): Cannot truncate a table referenced in a foreign key
constraint (`bank`.`deposit`, CONSTRAINT `deposit_ibfk_1`)
mysql> INSERT INTO Customers (cname, bname, city, jdate)
    -> VALUES
    ->     ('Abhishek', 'ANAND NAGAR', 'Mumbai', '2006-05-12'),
    ->     ('Amit', 'KATRAJ', 'Kolkata', '2007-06-09'),
    ->     ('ANIL', 'SHIVAJI NAGAR', 'Mumbai', '2008-10-10'),
    ->     ('Dinesh', 'MG ROAD', 'Pune', '2009-01-02'),
    ->     ('Neha', 'TILAK ROAD', 'Pune', '2010-11-17'),
    ->     ('Omkar', 'ANDHERI', 'Mumbai', '2006-09-02'),
    ->     ('Pragati', 'GARIAHAT', 'Jalgav', '2007-03-04'),
    ->     ('Priya', 'WHITEFIELD', 'Chennai', '2008-09-25'),
    ->     ('Rahul', 'ELECTRONIC CITY', 'Bangalore', '2009-01-30'),
    ->     ('Ravi', 'HI-TECH CITY', 'Hyderabad', '2010-04-18'),
    ->     ('Sanket', 'SANTACRUZ', 'Nagpur', '2006-11-02'),
    ->     ('Sneha', 'NEW DELHI', 'Delhi', '2007-08-15'),
```

```
     ->       ('Soham', 'KATRAJ', 'Pune', '2008-11-11'),
     ->       ('Tanmay', 'GREATER KAILASH', 'Nagpur', '2009-10-22');
ERROR 1062 (23000): Duplicate entry 'Abhishek' for key 'customers.PRIMARY'


mysql> show databases
    -> ;
+--------------------+
| Database           |
+--------------------+
| bank               |
| emp                |
| exp4               |
| information_schema |
| mysql              |
| performance_schema |
| students           |
| sys                |
+--------------------+
8 rows in set (0.09 sec)

mysql> use bank;
Database changed
mysql> show tables;
+----------------+
| Tables_in_bank |
+----------------+
| borrow         |
| branch         |
| customers      |
| deposit        |
+----------------+
4 rows in set (0.01 sec)

mysql> select * from customers;
+----------+-----------+------------+
| cname    | city      | jdate      |
+----------+-----------+------------+
| Abhishek | Mumbai    | 2022-05-12 |
| Amit     | Kolkata   | 2023-06-09 |
| ANIL     | Mumbai    | 2023-10-10 |
| Dinesh   | Pune      | 2021-01-02 |
| Neha     | Pune      | 2022-11-17 |
| Omkar    | Mumbai    | 2021-09-02 |
| Pragati  | Jalgav    | 2023-03-04 |
| Priya    | Chennai   | 2022-09-25 |
| Rahul    | Bangalore | 2023-01-30 |
| Ravi     | Hyderabad | 2023-04-18 |
| Sanket   | Nagpur    | 2021-11-02 |
| Sneha    | Delhi     | 2022-08-15 |
| Soham    | Pune      | 2021-11-11 |
| Tanmay   | Nagpur    | 2022-10-22 |
+----------+-----------+------------+
14 rows in set (0.02 sec)
```

```
mysql> select * from branchs;
ERROR 1146 (42S02): Table 'bank.branchs' doesn't exist
mysql> select * from branch;
Empty set (0.01 sec)

mysql> select * from branches;
ERROR 1146 (42S02): Table 'bank.branches' doesn't exist
mysql> select * from branch;
Empty set (0.00 sec)

mysql> select city from customers;
+-----------+
| city      |
+-----------+
| Mumbai    |
| Kolkata   |
| Mumbai    |
| Pune      |
| Pune      |
| Mumbai    |
| Jalgav    |
| Chennai   |
| Bangalore |
| Hyderabad |
| Nagpur    |
| Delhi     |
| Pune      |
| Nagpur    |
+-----------+
14 rows in set (0.00 sec)

mysql> ^C
mysql> INSERT INTO Branch (bname, city) VALUES ('ANAND NAGAR', 'Mumbai'),
('KATRAJ', 'Pune'),('SHIVAJI NAGAR', 'Pune'), ('MG ROAD', 'Bangalore'), ('TILAK
ROAD', 'Pune'), ('RAJIV CHOWK', 'Delhi'), ('KARVE ROAD', 'Pune'), ('CAMP',
'Pune'), ('SALT LAKE', 'Kolkata'), ('GARIAHAT', 'Kolkata'), ('SANTACRUZ',
'Mumbai'), ('ANDHERI', 'Mumbai'), ('ELECTRONIC CITY', 'Bangalore'),
('WHITEFIELD', 'Bangalore'), ('HI-TECH CITY', 'Hyderabad'), ('BANJARA HILLS',
'Hyderabad'), ('T NAGAR', 'Chennai'),('ADYAR', 'Chennai'), ('NEW DELHI','Delhi'),
('GREATER KAILASH', 'Delhi'), ('CIVIL LINES', 'Delhi'), ('GANDHI BAZAAR',
'Bangalore'), ('BTM LAYOUT', 'Bangalore');
Query OK, 23 rows affected (0.02 sec)
Records: 23  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Deposit (account_no, cname, bname, amount, adate)
    -> VALUES
    ->      (1, 'Abhishek', 'ANAND NAGAR', 5000.00, '2023-08-30'),
    ->      (2, 'Amit', 'KATRAJ', 10000.00, '2023-08-30'),
    ->      (3, 'ANIL', 'SHIVAJI NAGAR', 7500.00, '2023-08-30'),
    ->      (4, 'Dinesh', 'MG ROAD', 3000.00, '2023-08-30'),
    ->      (5, 'Neha', 'TILAK ROAD', 8000.00, '2023-08-30'),
    ->      (6, 'Omkar', 'RAJIV CHOWK', 6000.00, '2023-08-30'),
    ->      (7, 'Pragati', 'KARVE ROAD', 4500.00, '2023-08-30'),
```

```
    ->      (8, 'Priya', 'CAMP', 7000.00, '2023-08-30'),
    ->      (9, 'Rahul', 'SALT LAKE', 5500.00, '2023-08-30'),
    ->      (10, 'Ravi', 'GARIAHAT', 3500.00, '2023-08-30'),
    ->      (11, 'Sanket', 'SANTACRUZ', 9000.00, '2023-08-30'),
    ->      (12, 'Sneha', 'ANDHERI', 2000.00, '2023-08-30'),
    ->      (13, 'Soham', 'ELECTRONIC CITY', 4000.00, '2023-08-30'),
    ->      (14, 'Tanmay', 'WHITEFIELD', 6500.00, '2023-08-30');
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Borrow (loan_no, cname, bname, ammount)
    -> VALUES
    ->      (101, 'Abhishek', 'ANAND NAGAR', 2000.00),
    ->      (102, 'Amit', 'KATRAJ', 5000.00),
    ->      (103, 'ANIL', 'SHIVAJI NAGAR', 3000.00),
    ->      (104, 'Dinesh', 'MG ROAD', 10000.00),
    ->      (105, 'Neha', 'TILAK ROAD', 8000.00),
    ->      (106, 'Omkar', 'RAJIV CHOWK', 6000.00),
    ->      (107, 'Pragati', 'KARVE ROAD', 4500.00),
    ->      (108, 'Priya', 'CAMP', 7000.00),
    ->      (109, 'Rahul', 'SALT LAKE', 5500.00),
    ->      (110, 'Ravi', 'GARIAHAT', 3500.00),
    ->      (111, 'Sanket', 'SANTACRUZ', 9000.00),
    ->      (112, 'Sneha', 'ANDHERI', 2000.00),
    ->      (113, 'Soham', 'ELECTRONIC CITY', 4000.00),
    ->      (114, 'Tanmay', 'WHITEFIELD', 6500.00);
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> select city from branch where bname ="Anan nagar";
Empty set (0.00 sec)

mysql> select city from branch where bname ="Anand nagar";
+--------+
| city   |
+--------+
| Mumbai |
+--------+
1 row in set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> truncate deposit;
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO Deposit (account_no, cname, bname, amount, adate)
    -> VALUES
```

```
    ->        (1, 'Abhishek', 'ANAND NAGAR', 5000.00, '2007-12-01'),
    ->        (2, 'Amit', 'KATRAJ', 10000.00, '2008-08-30'),
    ->        (3, 'ANIL', 'SHIVAJI NAGAR', 7500.00, '2008-02-20'),
    ->        (4, 'Dinesh', 'MG ROAD', 3000.00, '2008-08-24'),
    ->        (5, 'Neha', 'TILAK ROAD', 8000.00, '2007-12-22'),
    ->        (6, 'Omkar', 'RAJIV CHOWK', 6000.00, '2008-05-10'),
    ->        (7, 'Pragati', 'KARVE ROAD', 4500.00, '2009-04-05'),
    ->        (8, 'Priya', 'CAMP', 7000.00, '2023-03-30'),
    ->        (9, 'Rahul', 'SALT LAKE', 5500.00, '2022-08-30'),
    ->        (10, 'Ravi', 'GARIAHAT', 3500.00, '2023-03-20'),
    ->        (11, 'Sanket', 'SANTACRUZ', 9000.00, '2022-09-11'),
    ->        (12, 'Sneha', 'ANDHERI', 2000.00, '2023-08-04'),
    ->        (13, 'Soham', 'ELECTRONIC CITY', 4000.00, '2023-10-10'),
    ->        (14, 'Tanmay', 'WHITEFIELD', 6500.00, '2023-08-30');
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> select account_no,amount from deposit where adate IN ('2022-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2007-01-12',
'2009-05-01');
Empty set (0.00 sec)

mysql> select account_no,amount from deposit where adate IN ('2007-12-01',
'2009-05-01');
+------------+---------+
| account_no | amount  |
+------------+---------+
|          1 | 5000.00 |
+------------+---------+
1 row in set (0.00 sec)

mysql> select account_no,amount from deposit where adate BETWEEN '2007-12-01' And
'2009-05-01';
+------------+----------+
| account_no | amount   |
+------------+----------+
|          1 |  5000.00 |
|          2 | 10000.00 |
|          3 |  7500.00 |
|          4 |  3000.00 |
|          5 |  8000.00 |
|          6 |  6000.00 |
|          7 |  4500.00 |
+------------+----------+
7 rows in set (0.00 sec)

mysql> select cname from customer where jdate ='2021-11-02';
ERROR 1146 (42S02): Table 'bank.customer' doesn't exist
mysql> select cname from customers where jdate ='2021-11-02';
+--------+
| cname  |
```

```
+--------+
| Sanket |
+--------+
1 row in set (0.00 sec)

mysql> select * from customer wher cname ="anil";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'cname
="anil"' at line 1
mysql> select * from customer where cname ="anil";
ERROR 1146 (42S02): Table 'bank.customer' doesn't exist
mysql> select * from customers where cname ="anil";
+-------+--------+------------+
| cname | city   | jdate      |
+-------+--------+------------+
| ANIL  | Mumbai | 2023-10-10 |
+-------+--------+------------+
1 row in set (0.00 sec)


mysql> select * from customers JOIN branch ON customers.city=branch.city and
customers.cname = branch.bname;
Empty set (0.00 sec)

mysql> select * from customers INNER JOIN branch ON customers.city=branch.city
Inner JOIN deposit on deposit.bname = branch.bname and customers.cname =
deposit.cname;
+----------+--------+------------+-------------+--------+------------+----------+
-------------+---------+------------+
| cname    | city   | jdate      | bname       | city   | account_no | cname    |
bname        | amount  | adate      |
+----------+--------+------------+-------------+--------+------------+----------+
-------------+---------+------------+
| Abhishek | Mumbai | 2022-05-12 | ANAND NAGAR | Mumbai |          1 | Abhishek |
ANAND NAGAR  | 5000.00 | 2007-12-01 |
| Neha     | Pune   | 2022-11-17 | TILAK ROAD  | Pune   |          5 | Neha     |
TILAK ROAD   | 8000.00 | 2007-12-22 |
+----------+--------+------------+-------------+--------+------------+----------+
-------------+---------+------------+
2 rows in set (0.00 sec)

mysql> select * from deposit
    -> Intersect
    -> select * from deposit;
+------------+----------+----------------+----------+------------+
| account_no | cname    | bname          | amount   | adate      |
+------------+----------+----------------+----------+------------+
|          1 | Abhishek | ANAND NAGAR    | 5000.00  | 2007-12-01 |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 |
|          3 | ANIL     | SHIVAJI NAGAR  | 7500.00  | 2008-02-20 |
|          4 | Dinesh   | MG ROAD        | 3000.00  | 2008-08-24 |
|          5 | Neha     | TILAK ROAD     | 8000.00  | 2007-12-22 |
|          6 | Omkar    | RAJIV CHOWK    | 6000.00  | 2008-05-10 |
|          7 | Pragati  | KARVE ROAD     | 4500.00  | 2009-04-05 |
```

```
|          8 | Priya    | CAMP            |  7000.00 | 2023-03-30 |
|          9 | Rahul    | SALT LAKE      |  5500.00 | 2022-08-30 |
|         10 | Ravi     | GARIAHAT       |  3500.00 | 2023-03-20 |
|         11 | Sanket   | SANTACRUZ      |  9000.00 | 2022-09-11 |
|         12 | Sneha    | ANDHERI        |  2000.00 | 2023-08-04 |
|         13 | Soham    | ELECTRONIC CITY |  4000.00 | 2023-10-10 |
|         14 | Tanmay   | WHITEFIELD     |  6500.00 | 2023-08-30 |
+------------+----------+----------------+----------+------------+
14 rows in set (0.01 sec)

mysql> select * from deposit
    -> Intersect
    -> select * from Borrow ;
ERROR 1222 (21000): The used SELECT statements have a different number of columns
mysql> select cname from deposit
    -> intersect
    -> select cname from borrow;
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
14 rows in set (0.00 sec)

mysql> SELECT d.cname
    -> FROM Deposit d
    -> JOIN Borrow b ON d.cname = b.cname
    -> WHERE d.city = 'NAGPUR' AND b.city = 'NAGPUR';
ERROR 1054 (42S22): Unknown column 'd.city' in 'where clause'
mysql> SELECT d.cname
    -> FROM Deposit as d
    -> JOIN Borrow as b ON d.cname = b.cname
    -> WHERE d.city = 'NAGPUR' AND b.city = 'NAGPUR';
ERROR 1054 (42S22): Unknown column 'd.city' in 'where clause'
mysql> WHERE d.city = 'NAGPUR' AND b.city = 'NAGPUR';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'WHERE
d.city = 'NAGPUR' AND b.city = 'NAGPUR'' at line 1
mysql> select * from customers;
+----------+-----------+------------+
| cname    | city      | jdate      |
```

```
        +----------+-----------+------------+
        | Abhishek | Mumbai    | 2022-05-12 |
        | Amit     | Kolkata   | 2023-06-09 |
        | ANIL     | Mumbai    | 2023-10-10 |
        | Dinesh   | Pune      | 2021-01-02 |
        | Neha     | Pune      | 2022-11-17 |
        | Omkar    | Mumbai    | 2021-09-02 |
        | Pragati  | Jalgav    | 2023-03-04 |
        | Priya    | Chennai   | 2022-09-25 |
        | Rahul    | Bangalore | 2023-01-30 |
        | Ravi     | Hyderabad | 2023-04-18 |
        | Sanket   | Nagpur    | 2021-11-02 |
        | Sneha    | Delhi     | 2022-08-15 |
        | Soham    | Pune      | 2021-11-11 |
        | Tanmay   | Nagpur    | 2022-10-22 |
        +----------+-----------+------------+
14 rows in set (0.00 sec)

mysql> UPDATE Customers
    -> SET branch_name =
    ->     CASE
    ->         WHEN city = 'Mumbai' THEN 'ANAND NAGAR'
    ->         WHEN city = 'Kolkata' THEN 'KATRAJ'
    ->         WHEN city = 'Pune' THEN 'SHIVAJI NAGAR'
    ->         WHEN city = 'Jalgav' THEN 'PRAGATI'
    ->         WHEN city = 'Chennai' THEN 'PRIYA'
    ->         WHEN city = 'Bangalore' THEN 'RAHUL'
    ->         WHEN city = 'Hyderabad' THEN 'RAVI'
    ->         WHEN city = 'Nagpur' THEN 'SANKET'
    ->         WHEN city = 'Delhi' THEN 'SNEHA'
    ->     END;
ERROR 1054 (42S22): Unknown column 'branch_name' in 'field list'
mysql> ^C
mysql> UPDATE Customers
    -> SET bname =
    ->     CASE
    ->         WHEN city = 'Mumbai' THEN 'ANAND NAGAR'
    ->         WHEN city = 'Kolkata' THEN 'KATRAJ'
    ->         WHEN city = 'Pune' THEN 'SHIVAJI NAGAR'
    ->         WHEN city = 'Jalgav' THEN 'PRAGATI'
    ->         WHEN city = 'Chennai' THEN 'PRIYA'
    ->         WHEN city = 'Bangalore' THEN 'RAHUL'
    ->         WHEN city = 'Hyderabad' THEN 'RAVI'
    ->         WHEN city = 'Nagpur' THEN 'SANKET'
    ->         WHEN city = 'Delhi' THEN 'SNEHA'
    ->     END;
ERROR 1054 (42S22): Unknown column 'bname' in 'field list'
mysql> alter table customers add (bname Varchar(40);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
mysql> alter table customers add (bname Varchar(40);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
```

```
line 1
mysql> alter table customers add (bname Varchar(40));
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> UPDATE Customers
    -> SET bname =
    ->     CASE
    ->         WHEN city = 'Mumbai' THEN 'ANAND NAGAR'
    ->         WHEN city = 'Kolkata' THEN 'KATRAJ'
    ->         WHEN city = 'Pune' THEN 'SHIVAJI NAGAR'
    ->         WHEN city = 'Jalgav' THEN 'PRAGATI'
    ->         WHEN city = 'Chennai' THEN 'PRIYA'
    ->         WHEN city = 'Bangalore' THEN 'RAHUL'
    ->         WHEN city = 'Hyderabad' THEN 'RAVI'
    ->         WHEN city = 'Nagpur' THEN 'SANKET'
    ->         WHEN city = 'Delhi' THEN 'SNEHA'
    ->     END;
Query OK, 14 rows affected (0.01 sec)
Rows matched: 14  Changed: 14  Warnings: 0

mysql> select * from customers;
+----------+-----------+------------+---------------+
| cname    | city      | jdate      | bname         |
+----------+-----------+------------+---------------+
| Abhishek | Mumbai    | 2022-05-12 | ANAND NAGAR   |
| Amit     | Kolkata   | 2023-06-09 | KATRAJ        |
| ANIL     | Mumbai    | 2023-10-10 | ANAND NAGAR   |
| Dinesh   | Pune      | 2021-01-02 | SHIVAJI NAGAR |
| Neha     | Pune      | 2022-11-17 | SHIVAJI NAGAR |
| Omkar    | Mumbai    | 2021-09-02 | ANAND NAGAR   |
| Pragati  | Jalgav    | 2023-03-04 | PRAGATI       |
| Priya    | Chennai   | 2022-09-25 | PRIYA         |
| Rahul    | Bangalore | 2023-01-30 | RAHUL         |
| Ravi     | Hyderabad | 2023-04-18 | RAVI          |
| Sanket   | Nagpur    | 2021-11-02 | SANKET        |
| Sneha    | Delhi     | 2022-08-15 | SNEHA         |
| Soham    | Pune      | 2021-11-11 | SHIVAJI NAGAR |
| Tanmay   | Nagpur    | 2022-10-22 | SANKET        |
+----------+-----------+------------+---------------+
14 rows in set (0.00 sec)

mysql> select * from customers Join branch on customers.city = branch.city and
customers.bname = branch.bname;
+----------+--------+------------+---------------+---------------+--------+
| cname    | city   | jdate      | bname         | bname         | city   |
+----------+--------+------------+---------------+---------------+--------+
| Abhishek | Mumbai | 2022-05-12 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| ANIL     | Mumbai | 2023-10-10 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| Dinesh   | Pune   | 2021-01-02 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
| Neha     | Pune   | 2022-11-17 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
| Omkar    | Mumbai | 2021-09-02 | ANAND NAGAR   | ANAND NAGAR   | Mumbai |
| Soham    | Pune   | 2021-11-11 | SHIVAJI NAGAR | SHIVAJI NAGAR | Pune   |
+----------+--------+------------+---------------+---------------+--------+
```

```
6 rows in set (0.00 sec)

mysql> select cname from deposit
    -> intersect
    -> select cname from borrow
    -> ;
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
14 rows in set (0.00 sec)

mysql> select cname from deposit join borrow on deposit.cname = borrow.cname;
ERROR 1052 (23000): Column 'cname' in field list is ambiguous
mysql> select borrow.cname from deposit join borrow on deposit.cname =
borrow.cname;
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
14 rows in set (0.00 sec)

mysql> select * from deposit join borrow on deposit.cname = borrow.cname and ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '' at
line 1
```

```
mysql> select * from deposit join borrow on deposit.cname = borrow.cname;
+------------+---------+----------------+----------+------------+---------+----------------+----------+
| account_no | cname   | bname          | amount   | adate      | loan_no | cname| bname    | ammount  |
+------------+---------+----------------+----------+------------+---------+----------------+----------+
|          1 | Abhishek| ANAND NAGAR    | 5000.00  | 2007-12-01 |     101 | Abhishek| ANAND NAGAR    | 2000.00  |
|          2 | Amit    | KATRAJ         | 10000.00 | 2008-08-30 |     102 | Amit| KATRAJ         | 5000.00  |
|          3 | ANIL    | SHIVAJI NAGAR  | 7500.00  | 2008-02-20 |     103 | ANIL| SHIVAJI NAGAR  | 3000.00  |
|          4 | Dinesh  | MG ROAD        | 3000.00  | 2008-08-24 |     104 | Dinesh| MG ROAD        | 10000.00 |
|          5 | Neha    | TILAK ROAD     | 8000.00  | 2007-12-22 |     105 | Neha| TILAK ROAD     | 8000.00  |
|          6 | Omkar   | RAJIV CHOWK    | 6000.00  | 2008-05-10 |     106 | Omkar| RAJIV CHOWK    | 6000.00  |
|          7 | Pragati | KARVE ROAD     | 4500.00  | 2009-04-05 |     107 | Pragati| KARVE ROAD     | 4500.00  |
|          8 | Priya   | CAMP           | 7000.00  | 2023-03-30 |     108 | Priya| CAMP           | 7000.00  |
|          9 | Rahul   | SALT LAKE      | 5500.00  | 2022-08-30 |     109 | Rahul| SALT LAKE      | 5500.00  |
|         10 | Ravi    | GARIAHAT       | 3500.00  | 2023-03-20 |     110 | Ravi| GARIAHAT       | 3500.00  |
|         11 | Sanket  | SANTACRUZ      | 9000.00  | 2022-09-11 |     111 | Sanket| SANTACRUZ      | 9000.00  |
|         12 | Sneha   | ANDHERI        | 2000.00  | 2023-08-04 |     112 | Sneha| ANDHERI        | 2000.00  |
|         13 | Soham   | ELECTRONIC CITY| 4000.00  | 2023-10-10 |     113 | Soham| ELECTRONIC CITY | 4000.00  |
|         14 | Tanmay  | WHITEFIELD     | 6500.00  | 2023-08-30 |     114 | Tanmay| WHITEFIELD     | 6500.00  |
+------------+---------+----------------+----------+------------+---------+----------------+----------+
14 rows in set (0.00 sec)

mysql> select * from deposit join borrow on deposit.cname = borrow.cname join
customers on deposit.cname = customers.cname;
+------------+---------+----------------+----------+------------+---------+----------------+----------+----------+----------+------------+------------+
| account_no | cname   | bname          | amount   | adate      | loan_no | cname| bname    | ammount  | cname    | city     | jdate      | bname      |
+------------+---------+----------------+----------+------------+---------+----------------+----------+----------+----------+------------+------------+
|          1 | Abhishek| ANAND NAGAR    | 5000.00  | 2007-12-01 |     101 | Abhishek| ANAND NAGAR    | 2000.00  | Abhishek | Mumbai   | 2022-05-12 | ANAND NAGAR |
|          2 | Amit    | KATRAJ         | 10000.00 | 2008-08-30 |     102 |
```

```
Amit| KATRAJ            |  5000.00 | Amit     | Kolkata   | 2023-06-09 | KATRAJ
    |
|          3 | ANIL      | SHIVAJI NAGAR    |  7500.00 | 2008-02-20 |     103 |
ANIL| SHIVAJI NAGAR    |  3000.00 | ANIL     | Mumbai    | 2023-10-10 | ANAND
NAGAR    |
|          4 | Dinesh    | MG ROAD          |  3000.00 | 2008-08-24 |     104 |
Dinesh| MG ROAD         | 10000.00 | Dinesh   | Pune      | 2021-01-02 | SHIVAJI
NAGAR |
|          5 | Neha      | TILAK ROAD       |  8000.00 | 2007-12-22 |     105 |
Neha| TILAK ROAD       |  8000.00 | Neha     | Pune      | 2022-11-17 | SHIVAJI
NAGAR |
|          6 | Omkar     | RAJIV CHOWK      |  6000.00 | 2008-05-10 |     106 |
Omkar| RAJIV CHOWK      |  6000.00 | Omkar    | Mumbai    | 2021-09-02 | ANAND
NAGAR    |
|          7 | Pragati   | KARVE ROAD       |  4500.00 | 2009-04-05 |     107 |
Pragati| KARVE ROAD     |  4500.00 | Pragati  | Jalgav    | 2023-03-04 | PRAGATI
    |
|          8 | Priya     | CAMP             |  7000.00 | 2023-03-30 |     108 |
Priya| CAMP            |  7000.00 | Priya    | Chennai   | 2022-09-25 | PRIYA
    |
|          9 | Rahul     | SALT LAKE        |  5500.00 | 2022-08-30 |     109 |
Rahul| SALT LAKE       |  5500.00 | Rahul    | Bangalore | 2023-01-30 | RAHUL
    |
|         10 | Ravi      | GARIAHAT         |  3500.00 | 2023-03-20 |     110 |
Ravi| GARIAHAT         |  3500.00 | Ravi     | Hyderabad | 2023-04-18 | RAVI
    |
|         11 | Sanket    | SANTACRUZ        |  9000.00 | 2022-09-11 |     111 |
Sanket| SANTACRUZ      |  9000.00 | Sanket   | Nagpur    | 2021-11-02 | SANKET
     |
|         12 | Sneha     | ANDHERI          |  2000.00 | 2023-08-04 |     112 |
Sneha| ANDHERI         |  2000.00 | Sneha    | Delhi     | 2022-08-15 | SNEHA
    |
|         13 | Soham     | ELECTRONIC CITY  |  4000.00 | 2023-10-10 |     113 |
Soham| ELECTRONIC CITY |  4000.00 | Soham    | Pune      | 2021-11-11 | SHIVAJI
NAGAR |
|         14 | Tanmay    | WHITEFIELD       |  6500.00 | 2023-08-30 |     114 |
Tanmay| WHITEFIELD     |  6500.00 | Tanmay   | Nagpur    | 2022-10-22 | SANKET
    |
+------------+----------+-----------------+----------+------------+---------+----
------+----------------+----------+----------+-----------+------------+--------
------+
14 rows in set (0.00 sec)

mysql> select bname from deposit;
+-----------------+
| bname           |
+-----------------+
| ANAND NAGAR     |
| ANDHERI         |
| CAMP            |
| ELECTRONIC CITY |
| GARIAHAT        |
| KARVE ROAD      |
| KATRAJ          |
```

```
| MG ROAD          |
| RAJIV CHOWK      |
| SALT LAKE        |
| SANTACRUZ        |
| SHIVAJI NAGAR    |
| TILAK ROAD       |
| WHITEFIELD       |
+------------------+
14 rows in set (0.00 sec)

mysql> truncate customers;
ERROR 1701 (42000): Cannot truncate a table referenced in a foreign key
constraint (`bank`.`deposit`, CONSTRAINT `deposit_ibfk_1`)
mysql> INSERT INTO Customers (cname, bname, city, jdate)
    -> VALUES
    ->      ('Abhishek', 'ANAND NAGAR', 'Mumbai', '2006-05-12'),
    ->      ('Amit', 'KATRAJ', 'Kolkata', '2007-06-09'),
    ->      ('ANIL', 'SHIVAJI NAGAR', 'Mumbai', '2008-10-10'),
    ->      ('Dinesh', 'MG ROAD', 'Pune', '2009-01-02'),
    ->      ('Neha', 'TILAK ROAD', 'Pune', '2010-11-17'),
    ->      ('Omkar', 'ANDHERI', 'Mumbai', '2006-09-02'),
    ->      ('Pragati', 'GARIAHAT', 'Jalgav', '2007-03-04'),
    ->      ('Priya', 'WHITEFIELD', 'Chennai', '2008-09-25'),
    ->      ('Rahul', 'ELECTRONIC CITY', 'Bangalore', '2009-01-30'),
    ->      ('Ravi', 'HI-TECH CITY', 'Hyderabad', '2010-04-18'),
    ->      ('Sanket', 'SANTACRUZ', 'Nagpur', '2006-11-02'),
    ->      ('Sneha', 'NEW DELHI', 'Delhi', '2007-08-15'),
    ->      ('Soham', 'KATRAJ', 'Pune', '2008-11-11'),
    ->      ('Tanmay', 'GREATER KAILASH', 'Nagpur', '2009-10-22');
ERROR 1062 (23000): Duplicate entry 'Abhishek' for key 'customers.PRIMARY'
mysql> ^C
mysql>  INSERT IGNORE INTO Customers (cname, bname, city, jdate)
    -> VALUES
    ->      ('Abhishek', 'ANAND NAGAR', 'Mumbai', '2006-05-12'),
    ->      ('Amit', 'KATRAJ', 'Kolkata', '2007-06-09'),
    ->      ('ANIL', 'SHIVAJI NAGAR', 'Mumbai', '2008-10-10'),
    ->      ('Dinesh', 'MG ROAD', 'Pune', '2009-01-02'),
    ->      ('Neha', 'TILAK ROAD', 'Pune', '2010-11-17'),
    ->      ('Omkar', 'ANDHERI', 'Mumbai', '2006-09-02'),
    ->      ('Pragati', 'GARIAHAT', 'Jalgav', '2007-03-04'),
    ->      ('Priya', 'WHITEFIELD', 'Chennai', '2008-09-25'),
    ->      ('Rahul', 'ELECTRONIC CITY', 'Bangalore', '2009-01-30'),
    ->      ('Ravi', 'HI-TECH CITY', 'Hyderabad', '2010-04-18'),
    ->      ('Sanket', 'SANTACRUZ', 'Nagpur', '2006-11-02'),
    ->      ('Sneha', 'NEW DELHI', 'Delhi', '2007-08-15'),
    ->      ('Soham', 'KATRAJ', 'Pune', '2008-11-11'),
    ->      ('Tanmay', 'GREATER KAILASH', 'Nagpur', '2009-10-22');
Query OK, 0 rows affected, 14 warnings (0.00 sec)
Records: 14  Duplicates: 14  Warnings: 14

mysql>
mysql> select * from customers;
+-----------+-----------+------------+---------------+
| cname     | city      | jdate      | bname         |
```

```
+----------+-----------+------------+---------------+
| Abhishek | Mumbai    | 2022-05-12 | ANAND NAGAR   |
| Amit     | Kolkata   | 2023-06-09 | KATRAJ        |
| ANIL     | Mumbai    | 2023-10-10 | ANAND NAGAR   |
| Dinesh   | Pune      | 2021-01-02 | SHIVAJI NAGAR |
| Neha     | Pune      | 2022-11-17 | SHIVAJI NAGAR |
| Omkar    | Mumbai    | 2021-09-02 | ANAND NAGAR   |
| Pragati  | Jalgav    | 2023-03-04 | PRAGATI       |
| Priya    | Chennai   | 2022-09-25 | PRIYA         |
| Rahul    | Bangalore | 2023-01-30 | RAHUL         |
| Ravi     | Hyderabad | 2023-04-18 | RAVI          |
| Sanket   | Nagpur    | 2021-11-02 | SANKET        |
| Sneha    | Delhi     | 2022-08-15 | SNEHA         |
| Soham    | Pune      | 2021-11-11 | SHIVAJI NAGAR |
| Tanmay   | Nagpur    | 2022-10-22 | SANKET        |
+----------+-----------+------------+---------------+
14 rows in set (0.00 sec)

mysql>  INSERT IGNORE INTO Customers (cname, bname, city, jdate)
    -> VALUES
    ->      ('Abhishek', 'ANAND NAGAR', 'Mumbai', '2006-05-12'),
    ->      ('Amit', 'KATRAJ', 'Kolkata', '2007-06-09'),
    ->      ('ANIL', 'SHIVAJI NAGAR', 'Mumbai', '2008-10-10'),
    ->      ('Dinesh', 'MG ROAD', 'Pune', '2009-01-02'),
    ->      ('Neha', 'TILAK ROAD', 'Pune', '2010-11-17'),
    ->      ('Omkar', 'ANDHERI', 'Mumbai', '2006-09-02'),
    ->      ('Pragati', 'GARIAHAT', 'Jalgav', '2007-03-04'),
    ->      ('Priya', 'WHITEFIELD', 'Chennai', '2008-09-25'),
    ->      ('Rahul', 'ELECTRONIC CITY', 'Bangalore', '2009-01-30'),
    ->      ('Ravi', 'HI-TECH CITY', 'Hyderabad', '2010-04-18'),
    ->      ('Sanket', 'SANTACRUZ', 'Nagpur', '2006-11-02'),
    ->      ('Sneha', 'NEW DELHI', 'Delhi', '2007-08-15'),
    ->      ('Soham', 'KATRAJ', 'Pune', '2008-11-11'),
    ->      ('Tanmay', 'GREATER KAILASH', 'Nagpur', '2009-10-22');
Query OK, 0 rows affected, 14 warnings (0.00 sec)
Records: 14  Duplicates: 14  Warnings: 14

mysql>
mysql> INSERT IGNORE INTO Customers (cname, bname, city, jdate)
    -> VALUES
    ->      ('Abhishek', 'ANAND NAGAR', 'Mumbai', '2006-05-12'),
    ->      ('Amit', 'KATRAJ', 'Kolkata', '2007-06-09'),
    ->      ('ANIL', 'SHIVAJI NAGAR', 'Mumbai', '2008-10-10'),
    ->      ('Dinesh', 'MG ROAD', 'Pune', '2009-01-02'),
    ->      ('Neha', 'TILAK ROAD', 'Pune', '2010-11-17'),
    ->      ('Omkar', 'ANDHERI', 'Mumbai', '2006-09-02'),
    ->      ('Pragati', 'GARIAHAT', 'Jalgav', '2007-03-04'),
    ->      ('Priya', 'WHITEFIELD', 'Chennai', '2008-09-25'),
    ->      ('Rahul', 'ELECTRONIC CITY', 'Bangalore', '2009-01-30'),
    ->      ('Ravi', 'HI-TECH CITY', 'Hyderabad', '2010-04-18'),
    ->      ('Sanket', 'SANTACRUZ', 'Nagpur', '2006-11-02'),
    ->      ('Sneha', 'NEW DELHI', 'Delhi', '2007-08-15'),
    ->      ('Soham', 'KATRAJ', 'Pune', '2008-11-11'),
    ->      ('Tanmay', 'GREATER KAILASH', 'Nagpur', '2009-10-22') On bname;
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'bname'
at line 16
mysql> UPDATE Customers
    -> SET bname =
    ->      CASE
    ->          WHEN cname = 'Abhishek' THEN 'ANAND NAGAR'
    ->          WHEN cname = 'Amit' THEN 'KATRAJ'
    ->          WHEN cname = 'ANIL' THEN 'SHIVAJI NAGAR'
    ->          WHEN cname = 'Dinesh' THEN 'MG ROAD'
    ->          WHEN cname = 'Neha' THEN 'TILAK ROAD'
    ->          WHEN cname = 'Omkar' THEN 'ANDHERI'
    ->          WHEN cname = 'Pragati' THEN 'GARIAHAT'
    ->          WHEN cname = 'Priya' THEN 'WHITEFIELD'
    ->          WHEN cname = 'Rahul' THEN 'ELECTRONIC CITY'
    ->          WHEN cname = 'Ravi' THEN 'HI-TECH CITY'
    ->          WHEN cname = 'Sanket' THEN 'SANTACRUZ'
    ->          WHEN cname = 'Sneha' THEN 'NEW DELHI'
    ->          WHEN cname = 'Soham' THEN 'KATRAJ'
    ->          WHEN cname = 'Tanmay' THEN 'GREATER KAILASH'
    ->      END;
Query OK, 12 rows affected (0.00 sec)
Rows matched: 14  Changed: 12  Warnings: 0

mysql> select * from customers;
+----------+-----------+------------+-----------------+
| cname    | city      | jdate      | bname           |
+----------+-----------+------------+-----------------+
| Abhishek | Mumbai    | 2022-05-12 | ANAND NAGAR     |
| Amit     | Kolkata   | 2023-06-09 | KATRAJ          |
| ANIL     | Mumbai    | 2023-10-10 | SHIVAJI NAGAR   |
| Dinesh   | Pune      | 2021-01-02 | MG ROAD         |
| Neha     | Pune      | 2022-11-17 | TILAK ROAD      |
| Omkar    | Mumbai    | 2021-09-02 | ANDHERI         |
| Pragati  | Jalgav    | 2023-03-04 | GARIAHAT        |
| Priya    | Chennai   | 2022-09-25 | WHITEFIELD      |
| Rahul    | Bangalore | 2023-01-30 | ELECTRONIC CITY |
| Ravi     | Hyderabad | 2023-04-18 | HI-TECH CITY    |
| Sanket   | Nagpur    | 2021-11-02 | SANTACRUZ       |
| Sneha    | Delhi     | 2022-08-15 | NEW DELHI       |
| Soham    | Pune      | 2021-11-11 | KATRAJ          |
| Tanmay   | Nagpur    | 2022-10-22 | GREATER KAILASH |
+----------+-----------+------------+-----------------+
14 rows in set (0.00 sec)

mysql>  select * from customers Join branch on customers.city = branch.city and
customers.bname = branch.bname;
+----------+-----------+------------+-----------------+-----------------+--------
---+
| cname    | city      | jdate      | bname           | bname           | city
   |
+----------+-----------+------------+-----------------+-----------------+--------
---+
| Abhishek | Mumbai    | 2022-05-12 | ANAND NAGAR     | ANAND NAGAR     | Mumbai
```

```
     |
| Neha      | Pune      | 2022-11-17 | TILAK ROAD      | TILAK ROAD      | Pune
     |
| Omkar     | Mumbai    | 2021-09-02 | ANDHERI         | ANDHERI         | Mumbai
     |
| Rahul     | Bangalore | 2023-01-30 | ELECTRONIC CITY | ELECTRONIC CITY |
Bangalore |
| Ravi      | Hyderabad | 2023-04-18 | HI-TECH CITY    | HI-TECH CITY    |
Hyderabad |
| Sneha     | Delhi     | 2022-08-15 | NEW DELHI       | NEW DELHI       | Delhi
     |
| Soham     | Pune      | 2021-11-11 | KATRAJ          | KATRAJ          | Pune
     |
+----------+-----------+------------+-----------------+-----------------+--------
---+
7 rows in set (0.00 sec)

mysql>  select account_no,amount from deposit where adate IN ('2007-12-01',
'2009-05-01');
+------------+---------+
| account_no | amount  |
+------------+---------+
|          1 | 5000.00 |
+------------+---------+
1 row in set (0.00 sec)

mysql>  select account_no,amount from deposit where adate BETWEEN '2007-12-01'
And '2009-05-01';
+------------+----------+
| account_no | amount   |
+------------+----------+
|          1 |  5000.00 |
|          2 | 10000.00 |
|          3 |  7500.00 |
|          4 |  3000.00 |
|          5 |  8000.00 |
|          6 |  6000.00 |
|          7 |  4500.00 |
+------------+----------+
7 rows in set (0.00 sec)

mysql> select * from deposit join borrow on deposit.cname = borrow.cname;
+------------+----------+-----------------+----------+------------+---------+----
------+-----------------+----------+
| account_no | cname    | bname           | amount   | adate      | loan_no |
cname| bname           | ammount  |
+------------+----------+-----------------+----------+------------+---------+----
------+-----------------+----------+
|          1 | Abhishek | ANAND NAGAR     | 5000.00  | 2007-12-01 |     101 |
Abhishek| ANAND NAGAR     |  2000.00 |
|          2 | Amit     | KATRAJ          | 10000.00 | 2008-08-30 |     102 |
Amit| KATRAJ          |  5000.00 |
|          3 | ANIL     | SHIVAJI NAGAR   | 7500.00  | 2008-02-20 |     103 |
ANIL| SHIVAJI NAGAR   |  3000.00 |
```

```
|           4 | Dinesh  | MG ROAD          |  3000.00 | 2008-08-24 |      104 |
Dinesh| MG ROAD          | 10000.00 |
|           5 | Neha    | TILAK ROAD       |  8000.00 | 2007-12-22 |      105 |
Neha| TILAK ROAD       |  8000.00 |
|           6 | Omkar   | RAJIV CHOWK      |  6000.00 | 2008-05-10 |      106 |
Omkar| RAJIV CHOWK      |  6000.00 |
|           7 | Pragati | KARVE ROAD       |  4500.00 | 2009-04-05 |      107 |
Pragati| KARVE ROAD       |  4500.00 |
|           8 | Priya   | CAMP             |  7000.00 | 2023-03-30 |      108 |
Priya| CAMP             |  7000.00 |
|           9 | Rahul   | SALT LAKE        |  5500.00 | 2022-08-30 |      109 |
Rahul| SALT LAKE        |  5500.00 |
|          10 | Ravi    | GARIAHAT         |  3500.00 | 2023-03-20 |      110 |
Ravi| GARIAHAT         |  3500.00 |
|          11 | Sanket  | SANTACRUZ        |  9000.00 | 2022-09-11 |      111 |
Sanket| SANTACRUZ        |  9000.00 |
|          12 | Sneha   | ANDHERI          |  2000.00 | 2023-08-04 |      112 |
Sneha| ANDHERI          |  2000.00 |
|          13 | Soham   | ELECTRONIC CITY  |  4000.00 | 2023-10-10 |      113 |
Soham| ELECTRONIC CITY  |  4000.00 |
|          14 | Tanmay  | WHITEFIELD       |  6500.00 | 2023-08-30 |      114 |
Tanmay| WHITEFIELD       |  6500.00 |
+-----------+---------+----------------+----------+------------+--------+----
------+----------------+----------+
14 rows in set (0.00 sec)

mysql> select * from deposit join borrow on deposit.cname = borrow.cname join
customers on deposit.cname = customers.cname where customers.city = "nagpur";
+------------+--------+-----------+--------+------------+--------+--------+---
---------+---------+--------+--------+------------+----------------+
| account_no | cname  | bname     | amount | adate      | loan_no | cname  |
bname    | ammount | cname  | city   | jdate      | bname          |
+------------+--------+-----------+--------+------------+--------+--------+---
---------+---------+--------+--------+------------+----------------+
|         11 | Sanket | SANTACRUZ | 9000.00 | 2022-09-11 |    111 | Sanket |
SANTACRUZ  | 9000.00 | Sanket | Nagpur | 2021-11-02 | SANTACRUZ      |
|         14 | Tanmay | WHITEFIELD | 6500.00 | 2023-08-30 |    114 | Tanmay |
WHITEFIELD | 6500.00 | Tanmay | Nagpur | 2022-10-22 | GREATER KAILASH |
+------------+--------+-----------+--------+------------+--------+--------+---
---------+---------+--------+--------+------------+----------------+
2 rows in set (0.00 sec)

mysql> select customers.cname from deposit join borrow on deposit.cname =
borrow.cnamejoin customers on deposit.cname = customers.cname where
customers.city = "nagpur";
+--------+
| cname  |
+--------+
| Sanket |
| Tanmay |
+--------+
2 rows in set (0.00 sec)

mysql> select customers.name from customers where cname = "pramod";
```

```
ERROR 1054 (42S22): Unknown column 'customers.name' in 'field list'
mysql> select city from customers where cname = "pramod";
Empty set (0.00 sec)

mysql> select city from customers where cname = "pragati";
+--------+
| city   |
+--------+
| Jalgav |
+--------+
1 row in set (0.00 sec)

mysql> select * from borrow;
+---------+----------+----------------+----------+
| loan_no | cname    | bname          | ammount  |
+---------+----------+----------------+----------+
|     101 | Abhishek | ANAND NAGAR    |  2000.00 |
|     102 | Amit     | KATRAJ         |  5000.00 |
|     103 | ANIL     | SHIVAJI NAGAR  |  3000.00 |
|     104 | Dinesh   | MG ROAD        | 10000.00 |
|     105 | Neha     | TILAK ROAD     |  8000.00 |
|     106 | Omkar    | RAJIV CHOWK    |  6000.00 |
|     107 | Pragati  | KARVE ROAD     |  4500.00 |
|     108 | Priya    | CAMP           |  7000.00 |
|     109 | Rahul    | SALT LAKE      |  5500.00 |
|     110 | Ravi     | GARIAHAT       |  3500.00 |
|     111 | Sanket   | SANTACRUZ      |  9000.00 |
|     112 | Sneha    | ANDHERI        |  2000.00 |
|     113 | Soham    | ELECTRONIC CITY|  4000.00 |
|     114 | Tanmay   | WHITEFIELD     |  6500.00 |
+---------+----------+----------------+----------+
14 rows in set (0.00 sec)

mysql> select deposit.cname from deposit where deposit.cname not in (select cname
fromborrow);
Empty set (0.00 sec)

mysql> INSERT INTO Deposit (account_no, cname, bname, amount, adate)
values(21,"Omkar", "katraj",30000, "2009-02-02");
Query OK, 1 row affected (0.00 sec)

mysql> insert into customers value("shravani", "pune","2022-02-11","katraj");
Query OK, 1 row affected (0.01 sec)

mysql> select deposit.cname from deposit where deposit.cname not in (select cname
fromborrow);
Empty set (0.00 sec)

mysql> insert into deposit values(120,"shravani", "katraj",30000, "2009-02-02");
Query OK, 1 row affected (0.01 sec)

mysql> select deposit.cname from deposit where deposit.cname not in (select cname
fromborrow);
+-----------+
```

```
| cname    |
+----------+
| shravani |
+----------+
1 row in set (0.00 sec)

mysql> select deposit.cname from deposit where deposit.cname in (select cname
from borrow);
+----------+
| cname    |
+----------+
| Abhishek |
| Amit     |
| ANIL     |
| Dinesh   |
| Neha     |
| Omkar    |
| Omkar    |
| Pragati  |
| Priya    |
| Rahul    |
| Ravi     |
| Sanket   |
| Sneha    |
| Soham    |
| Tanmay   |
+----------+
15 rows in set (0.00 sec)

mysql> select cname from deposit where amount >1000 and cname In (select cname
from borrow where ammount < 1000 );
Empty set (0.00 sec)

mysql> select sum(ammount) from borrow;
+--------------+
| sum(ammount) |
+--------------+
|     76000.00 |
+--------------+
1 row in set (0.00 sec)

mysql> select sum(amount) from deposit;
+-------------+
| sum(amount) |
+-------------+
|   141500.00 |
+-------------+
1 row in set (0.00 sec)

mysql> select sum(amount) from deposit where cname in (select cname from
customers where jdate > '1999-01-01');
+-------------+
| sum(amount) |
+-------------+
```

```
|   141500.00 |
+-------------+
1 row in set (0.00 sec)


mysql> SELECT MAX(amount) FROM deposit WHERE cname IN (SELECT cname FROM
customers WHERE city = 'Mumbai');
+-------------+
| MAX(amount) |
+-------------+
|    30000.00 |
+-------------+
1 row in set (0.00 sec)

mysql> select count(city ) from customers;
+--------------+
| count(city ) |
+--------------+
|           15 |
+--------------+
1 row in set (0.00 sec)

mysql> SELECT MAX(ammount) FROM borrow WHERE cname IN (SELECT cname FROM
customers WHERE city = 'pune');
+--------------+
| MAX(ammount) |
+--------------+
|     10000.00 |
+--------------+
1 row in set (0.00 sec)

mysql> desc deposit;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| account_no | int          | NO   | PRI | NULL    |       |
| cname      | varchar(50)  | YES  | MUL | NULL    |       |
| bname      | varchar(20)  | YES  | MUL | NULL    |       |
| amount     | decimal(10,2)| YES  |     | NULL    |       |
| adate      | date         | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
5 rows in set (0.03 sec)

mysql> Alter table deposit add (interest decimal(10,2));
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> update deposit
    -> set interest = amount * 1.10
    -> where bname = "pune";
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql> select * from deposit;
```

```
+------------+----------+----------------+----------+------------+----------+
| account_no | cname    | bname          | amount   | adate      | interest |
+------------+----------+----------------+----------+------------+----------+
|          1 | Abhishek | ANAND NAGAR    |  5000.00 | 2007-12-01 |     NULL |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 |     NULL |
|          3 | ANIL     | SHIVAJI NAGAR  |  7500.00 | 2008-02-20 |     NULL |
|          4 | Dinesh   | MG ROAD        |  3000.00 | 2008-08-24 |     NULL |
|          5 | Neha     | TILAK ROAD     |  8000.00 | 2007-12-22 |     NULL |
|          6 | Omkar    | RAJIV CHOWK    |  6000.00 | 2008-05-10 |     NULL |
|          7 | Pragati  | KARVE ROAD     |  4500.00 | 2009-04-05 |     NULL |
|          8 | Priya    | CAMP           |  7000.00 | 2023-03-30 |     NULL |
|          9 | Rahul    | SALT LAKE      |  5500.00 | 2022-08-30 |     NULL |
|         10 | Ravi     | GARIAHAT       |  3500.00 | 2023-03-20 |     NULL |
|         11 | Sanket   | SANTACRUZ      |  9000.00 | 2022-09-11 |     NULL |
|         12 | Sneha    | ANDHERI        |  2000.00 | 2023-08-04 |     NULL |
|         13 | Soham    | ELECTRONIC CITY|  4000.00 | 2023-10-10 |     NULL |
|         14 | Tanmay   | WHITEFIELD     |  6500.00 | 2023-08-30 |     NULL |
|         21 | Omkar    | katraj         | 30000.00 | 2009-02-02 |     NULL |
|        120 | shravani | katraj         | 30000.00 | 2009-02-02 |     NULL |
+------------+----------+----------------+----------+------------+----------+
16 rows in set (0.00 sec)

mysql> update deposit
    -> set interest = amount * 1.10
    -> where bname in (Select bname from branch where city ="pune");
Query OK, 7 rows affected (0.01 sec)
Rows matched: 7  Changed: 7  Warnings: 0

mysql> select * from deposit;
+------------+----------+----------------+----------+------------+----------+
| account_no | cname    | bname          | amount   | adate      | interest |
+------------+----------+----------------+----------+------------+----------+
|          1 | Abhishek | ANAND NAGAR    |  5000.00 | 2007-12-01 |     NULL |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 | 11000.00 |
|          3 | ANIL     | SHIVAJI NAGAR  |  7500.00 | 2008-02-20 |  8250.00 |
|          4 | Dinesh   | MG ROAD        |  3000.00 | 2008-08-24 |     NULL |
|          5 | Neha     | TILAK ROAD     |  8000.00 | 2007-12-22 |  8800.00 |
|          6 | Omkar    | RAJIV CHOWK    |  6000.00 | 2008-05-10 |     NULL |
|          7 | Pragati  | KARVE ROAD     |  4500.00 | 2009-04-05 |  4950.00 |
|          8 | Priya    | CAMP           |  7000.00 | 2023-03-30 |  7700.00 |
|          9 | Rahul    | SALT LAKE      |  5500.00 | 2022-08-30 |     NULL |
|         10 | Ravi     | GARIAHAT       |  3500.00 | 2023-03-20 |     NULL |
|         11 | Sanket   | SANTACRUZ      |  9000.00 | 2022-09-11 |     NULL |
|         12 | Sneha    | ANDHERI        |  2000.00 | 2023-08-04 |     NULL |
|         13 | Soham    | ELECTRONIC CITY|  4000.00 | 2023-10-10 |     NULL |
|         14 | Tanmay   | WHITEFIELD     |  6500.00 | 2023-08-30 |     NULL |
|         21 | Omkar    | katraj         | 30000.00 | 2009-02-02 | 33000.00 |
|        120 | shravani | katraj         | 30000.00 | 2009-02-02 | 33000.00 |
+------------+----------+----------------+----------+------------+----------+
16 rows in set (0.00 sec)

mysql> update deposit
    -> set interest = amount * 1.10
    -> where bname in (select bname from customers where city ="nagpur");
```

```
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT bname, SUM(amount) AS total_deposit
    -> FROM Deposit
    -> GROUP BY bname
    -> HAVING total_deposit > 5000;
+---------------+---------------+
| bname         | total_deposit |
+---------------+---------------+
| CAMP          |       7000.00 |
| KATRAJ        |      70000.00 |
| RAJIV CHOWK   |       6000.00 |
| SALT LAKE     |       5500.00 |
| SANTACRUZ     |       9000.00 |
| SHIVAJI NAGAR |       7500.00 |
| TILAK ROAD    |       8000.00 |
| WHITEFIELD    |       6500.00 |
+---------------+---------------+
8 rows in set (0.00 sec)

mysql> SELECT *
    -> FROM Deposit
    -> ORDER BY amount DESC;
+------------+----------+----------------+----------+------------+----------+
| account_no | cname    | bname          | amount   | adate      | interest |
+------------+----------+----------------+----------+------------+----------+
|         21 | Omkar    | katraj         | 30000.00 | 2009-02-02 | 33000.00 |
|        120 | shravani | katraj         | 30000.00 | 2009-02-02 | 33000.00 |
|          2 | Amit     | KATRAJ         | 10000.00 | 2008-08-30 | 11000.00 |
|         11 | Sanket   | SANTACRUZ      |  9000.00 | 2022-09-11 |  9900.00 |
|          5 | Neha     | TILAK ROAD     |  8000.00 | 2007-12-22 |  8800.00 |
|          3 | ANIL     | SHIVAJI NAGAR  |  7500.00 | 2008-02-20 |  8250.00 |
|          8 | Priya    | CAMP           |  7000.00 | 2023-03-30 |  7700.00 |
|         14 | Tanmay   | WHITEFIELD     |  6500.00 | 2023-08-30 |     NULL |
|          6 | Omkar    | RAJIV CHOWK    |  6000.00 | 2008-05-10 |     NULL |
|          9 | Rahul    | SALT LAKE      |  5500.00 | 2022-08-30 |     NULL |
|          1 | Abhishek | ANAND NAGAR    |  5000.00 | 2007-12-01 |     NULL |
|          7 | Pragati  | KARVE ROAD     |  4500.00 | 2009-04-05 |  4950.00 |
|         13 | Soham    | ELECTRONIC CITY|  4000.00 | 2023-10-10 |     NULL |
|         10 | Ravi     | GARIAHAT       |  3500.00 | 2023-03-20 |     NULL |
|          4 | Dinesh   | MG ROAD        |  3000.00 | 2008-08-24 |     NULL |
|         12 | Sneha    | ANDHERI        |  2000.00 | 2023-08-04 |     NULL |
+------------+----------+----------------+----------+------------+----------+
16 rows in set (0.00 sec)
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