

```
mysql> create database diksha_bank;  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> use diksha_bank;  
Database changed
```

```
mysql> create table dhiksha_bank.branch(branch_name varchar(30),branch_city varchar(25),assets int,primary key(branch_name));
ERROR 1049 (42000): Unknown database 'dhiksha_bank'
mysql> create table diksha_bank.branch(branch_name varchar(30),branch_city varchar(25),assets int,primary key(branch_name));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table diksha_bank.bankaccount(accno int,branch_name varchar(20),balance int,primary key(accno),foreign key(branch_name)references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table diksha_bank.bankcustomer(customer_name varchar(25),customer_street varchar(30),customer_city varchar(25),primary key(customer_name));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table diksha_bank.depositer(customer_name varchar(25),accno int,primary key(customer_name,accno),foreign key(customer_name)references bankcustomer(customer_name),foreign key(accno) references bankaccount(accno));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table diksha_bank.loan(loan_number int,branch_name varchar(25),amount int,primary key(loan_number),foreign key(branch_name)references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> show tables;
```

| Tables_in_diksha_bank | | | | | |
|-----------------------|--|--|--|--|--|
| bankaccount | | | | | |
| bankcustomer | | | | | |
| branch | | | | | |
| depositer | | | | | |
| loan | | | | | |

5 rows in set (0.00 sec)

```
mysql> desc bankaccount;
```

| Field | Type | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| accno | int(11) | NO | PRI | NULL | |
| branch_name | varchar(20) | YES | MUL | NULL | |
| balance | int(11) | YES | | NULL | |

3 rows in set (0.00 sec)

```
mysql> desc bankaccount;
```

| Field | Type | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| accno | int(11) | NO | PRI | NULL | |
| branch_name | varchar(20) | YES | MUL | NULL | |
| balance | int(11) | YES | | NULL | |

```
3 rows in set (0.00 sec)
```

```
mysql> desc bankcustomer;
```

| Field | Type | Null | Key | Default | Extra |
|-----------------|-------------|------|-----|---------|-------|
| customer_name | varchar(25) | NO | PRI | NULL | |
| customer_street | varchar(30) | YES | | NULL | |
| customer_city | varchar(25) | YES | | NULL | |

```
3 rows in set (0.00 sec)
```

```
mysql> desc branch;
```

| Field | Type | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| branch_name | varchar(30) | NO | PRI | NULL | |
| branch_city | varchar(25) | YES | | NULL | |
| assets | int(11) | YES | | NULL | |

```
3 rows in set (0.00 sec)
```

```
mysql> desc depositer;
```

| Field | Type | Null | Key | Default | Extra |
|---------------|-------------|------|-----|---------|-------|
| customer_name | varchar(25) | NO | PRI | NULL | |
| accno | int(11) | NO | PRI | NULL | |

```
2 rows in set (0.00 sec)
```

```
mysql> desc loan;
```

| Field | Type | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| loan_number | int(11) | NO | PRI | NULL | |
| branch_name | varchar(25) | YES | MUL | NULL | |
| amount | int(11) | YES | | NULL | |

```
mysql> insert into branch values('sbi_chamrajpet','bangalore',50000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values('sbi_residencyroad','bangalore',100000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values('sbi_shivajiroad','bombay',20000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values('sbi_parliamentroad','delhi',100000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values('sbi_jantarmantar','delhi',20000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankAccount values(1,'SBI_Chamrajpet',2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankAccount values(2,'SBI_ResidencyRoad',5000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankAccount values(3,'SBI_ShivajiRoad',6000);
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
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 '6000)' at line 1
mysql> insert into BankAccount values(4,'SBI_ParliamentRoad',9000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankAccount values(5,'SBI_Jantarmantar',8000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankAccount values(3,'SBI_ShivajiRoad',6000)
-> ;
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankCustomer values('Avinash','Bull_Temple_Road','Bangalore');
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankCustomer values('Dinesh','Bannerghatta_Road','Bangalore');
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankCustomer values('Mohan','NationalCollege_Road','Bangalore');
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankCustomer values('Nikil','Akbar_Road','Delhi');
Query OK, 1 row affected (0.00 sec)

mysql> insert into BankCustomer values('Ravi','Prithviraj_Road','Delhi');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Depositer values('Avinash',1);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Depositer values('Dinesh',2);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Depositer values('Nikil',4);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Depositer values('Ravi',5);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Loan values(1,'SBI_Chamrajpet',1000);  
Query OK, 1 row affected (0.00 sec)  
  
mysql> insert into Loan values(2,'SBI_ResidencyRoad',2000);  
Query OK, 1 row affected (0.00 sec)  
  
mysql> insert into Loan values(3,'SBI_ShivajiRoad',3000);  
Query OK, 1 row affected (0.00 sec)  
  
mysql> insert into Loan values(4,'SBI_ParlimentRoad',4000);  
Query OK, 1 row affected (0.00 sec)  
  
mysql> insert into Loan values(5,'SBI_Jantarmanatar',5000);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from bankaccount;
```

| accno | branch_name | balance |
|-------|-------------------|---------|
| 1 | SBI_Chamrajpet | 2000 |
| 2 | SBI_ResidencyRoad | 5000 |
| 3 | SBI_ShivajiRoad | 6000 |
| 4 | SBI_ParlimentRoad | 9000 |
| 5 | SBI_Jantarmantar | 8000 |

```
5 rows in set (0.00 sec)
```

```
mysql> select  
-> * from bankcustomer;
```

| customer_name | customer_street | customer_city |
|---------------|----------------------|---------------|
| Avinash | Bull_Temple_Road | Bangalore |
| Dinesh | Bannergatta_Road | Bangalore |
| Mohan | NationalCollege_Road | Bangalore |
| Nikil | Akbar_Road | Delhi |
| Ravi | Prithviraj_Road | Delhi |

```
5 rows in set (0.00 sec)
```

```
mysql> select * from branch;
```

| branch_name | branch_city | assets |
|-------------------|-------------|--------|
| sbi_chamrajpet | bangalore | 50000 |
| sbi_jantarmantar | delhi | 20000 |
| sbi_parlimentroad | delhi | 100000 |
| sbi_residencyroad | bangalore | 100000 |
| sbi_shivajiroad | bombay | 20000 |

```
5 rows in set (0.00 sec)
```

```
mysql> select * from depositer;
```

| customer_name | accno |
|---------------|-------|
| Avinash | 1 |
| Dinesh | 2 |
| Nikil | 4 |
| mohan | 5 |
| Ravi | 5 |

```
5 rows in set (0.00 sec)
```



```
mysql> select * from loan;
```

| loan_number | branch_name | amount |
|-------------|-------------------|--------|
| 1 | SBI_Chamrajpet | 1000 |
| 2 | SBI_ResidencyRoad | 2000 |
| 3 | SBI_ShivajiRoad | 3000 |
| 4 | SBI_ParlimentRoad | 4000 |
| 5 | SBI_Jantarmantar | 5000 |

```
5 rows in set (0.00 sec)
```

```
mysql> select branch_name,CONCAT(assets/100000,'lakhs')assets_in_lakhs from branch;
```

| branch_name | assets_in_lakhs |
|-------------------|-----------------|
| sbi_chamrajpet | 0.5000lakhs |
| sbi_jantarmantar | 0.2000lakhs |
| sbi_parlimentroad | 1.0000lakhs |
| sbi_residencyroad | 1.0000lakhs |
| sbi_shivajiroad | 0.2000lakhs |

```
5 rows in set (0.00 sec)
```

```
mysql> select d.customer_name from depositer d, bankaccount b where b.branch_name='sbi_residencyroad' and d.accno=b.accno
-> group by d.customer_name having count(d.accno)>=2;
Empty set (0.00 sec)
```

```
mysql> create view sum_of_loan
-> as select Branch_name, SUM(Balance)
-> from BankAccount
-> group by Branch_name;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select * from sum_of_loan;
```

| Branch_name | SUM(Balance) |
|-------------------|--------------|
| SBI_Chamrajpet | 2000 |
| SBI_Jantarmantar | 8000 |
| SBI_ParlimentRoad | 9000 |
| SBI_ResidencyRoad | 5000 |
| SBI_ShivajiRoad | 6000 |

```
5 rows in set (0.00 sec)
```

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 'mysql> select bc.Customer_name, CONCAT(Balance+'1000','rupees')' at line 1

```
mysql> select bc.Customer_name, CONCAT(Balance+'1000','rupees')
        -> UPDATED_BALANCE from BankAccount b, BankCustomer bc, Depositer d
        -> where bc.Customer_name=d.Customer_name and b.Accno=d.Accno and
        -> bc.Customer_city='Bangalore';
```

| Customer_name | UPDATED_BALANCE |
|---------------|-----------------|
| Avinash | 3000rupees |
| Dinesh | 6000rupees |
| Mohan | 9000rupees |

3 rows in set (0.00 sec)

```
mysql> |
```