```
MySQL 8.0 Command Line Client

Query OK, 1 row affected (0.00 sec)

mysql> select * from bank1;
+-----+-----------+---------+----------+----------+
| sno | name      | acco_no | balance  | branch   |
+-----+-----------+---------+----------+----------+
|   1 | komal     |  123456 | 10000000 | chennai  |
|   1 | komal     |  123456 | 10000000 | chennai  |
|   2 | sai pavan |  122326 |    20000 | hyderbad |
|   3 | yogesh    | 1233435 | 10000000 | chennai  |
|   4 | akhil     | 1233445 |  4900000 | hyderbad |
+-----+-----------+---------+----------+----------+
 rows in set (0.00 sec)

mysql>  select * from bank1 where branch='chennai';
+-----+--------+---------+----------+---------+
| sno | name   | acco_no | balance  | branch  |
+-----+--------+---------+----------+---------+
|   1 | komal  |  123456 | 10000000 | chennai |
|   1 | komal  |  123456 | 10000000 | chennai |
|   3 | yogesh | 1233435 | 10000000 | chennai |
+-----+--------+---------+----------+---------+
 rows in set (0.00 sec)

mysql> select * from bank1 where balance between 100000000 and 1000000000;
mpty set (0.00 sec)

mysql> select * from bank1 where balance between 10000 and 100000000;
+-----+-----------+---------+----------+----------+
| sno | name      | acco_no | balance  | branch   |
+-----+-----------+---------+----------+----------+
|   1 | komal     |  123456 | 10000000 | chennai  |
|   1 | komal     |  123456 | 10000000 | chennai  |
|   2 | sai pavan |  122326 |    20000 | hyderbad |
|   3 | yogesh    | 1233435 | 10000000 | chennai  |
|   4 | akhil     | 1233445 |  4900000 | hyderbad |
+-----+-----------+---------+----------+----------+
 rows in set (0.00 sec)

sql> select * from bank1 where balance in 20000;
ROR 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 '20000' at line 1
sql> select * from bank1 where balance in (20000);
+-----+-----------+---------+---------+----------+
| sno | name      | acco_no | balance | branch   |
+-----+-----------+---------+---------+----------+
|   2 | sai pavan |  122326 |   20000 | hyderbad |
+-----+-----------+---------+---------+----------+
 row in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client

ERROR 1146 (42S02): Table 'employee.employee1' doesn't exist
mysql> desc emloyee1;
+-------------------+----------+------+-----+---------+-------+
| Field             | Type     | Null | Key | Default | Extra |
+-------------------+----------+------+-----+---------+-------+
| sno               | int      | NO   | PRI | NULL    |       |
| name              | char(20) | YES  |     | NULL    |       |
| designation_branch| char(20) | YES  |     | NULL    |       |
+-------------------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> create table workers1
    -> (sno int,
    -> name char,
    -> designation_branch char);
Query OK, 0 rows affected (0.02 sec)

mysql> alter table workers1
    -> add constraint link
    -> foreign key(sno)
    -> references emloyee1(sno);
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc workers1;
+-------------------+----------+------+-----+---------+-------+
| Field             | Type     | Null | Key | Default | Extra |
+-------------------+----------+------+-----+---------+-------+
| sno               | int      | YES  | MUL | NULL    |       |
| name              | char(1)  | YES  |     | NULL    |       |
| designation_branch| char(1)  | YES  |     | NULL    |       |
+-------------------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> alter table emloyee1
    -> add unique (name);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc emloyee1;
+-------------------+----------+------+-----+---------+-------+
| Field             | Type     | Null | Key | Default | Extra |
+-------------------+----------+------+-----+---------+-------+
| sno               | int      | NO   | PRI | NULL    |       |
| name              | char(20) | YES  | UNI | NULL    |       |
| designation_branch| char(20) | YES  |     | NULL    |       |
+-------------------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
mysql> select * from bank1 where balance in 20000;
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 '20000' at line 1
mysql> select * from bank1 where balance in (20000);
+------+-----------+---------+---------+----------+
| sno  | name      | acco_no | balance | branch   |
+------+-----------+---------+---------+----------+
|    2 | sai pavan |  122326 |   20000 | hyderbad |
+------+-----------+---------+---------+----------+
1 row in set (0.00 sec)

mysql> select * from bank1 where balance=4900000;
+------+-------+---------+---------+----------+
| sno  | name  | acco_no | balance | branch   |
+------+-------+---------+---------+----------+
|    4 | akhil | 1233445 | 4900000 | hyderbad |
+------+-------+---------+---------+----------+
1 row in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client
nter password: ********
elcome to the MySQL monitor.  Commands end with ; or \g.
our MySQL connection id is 19
erver version: 8.0.31 MySQL Community Server - GPL

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ffiliates. Other names may be trademarks of their respective
ners.

pe 'help;' or '\h' for help. Type '\c' to clear the current input statement.

sql> create database bank1;
ery OK, 1 row affected (0.01 sec)

sql> use bank1;
atabase changed
sql> create table bank1(sno int(!0),name char(20),acco_no int(10),balance int(10),branch char(10));
RROR 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 '!0),name char(20),acco_no int(10),balance int(10),branch
har(10))' at line 1
sql> create table bank1(sno int(10),name char(20),acco_no int(10),balance int(10),branch char(10));
ery OK, 0 rows affected, 3 warnings (0.02 sec)

sql> insert into bank1 values (1,'komal',123456,10000000,'chennai'0;
ROR 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 '0' at line 1
sql> insert into bank1 values (1,'komal',123456,10000000,'chennai');
ery OK, 1 row affected (0.01 sec)

sql> insert into bank1 values (1,'komal',123456,10000000,'chennai');
ery OK, 1 row affected (0.00 sec)

sql> insert into bank1 values (2,'sai pavan',122326,20000,'hyderbad');
ery OK, 1 row affected (0.00 sec)

sql> insert into bank1 values (3,'yogesh',1233435,10000000,'chennai');
ery OK, 1 row affected (0.00 sec)

sql> insert into bank1 values (4,'akhil',1233445,4900000,'hyderbad');
ery OK, 1 row affected (0.00 sec)

sql> select * from bank1;
-----+----------+---------+----------+----------+
sno | name     | acco_no | balance  | branch   |
-----+----------+---------+----------+----------+
  1 | komal    |  123456 | 10000000 | chennai  |
  1 | komal    |  123456 | 10000000 | chennai  |
  2 | sai pavan|  122326 |    20000 | hyderbad |
  3 | yogesh   | 1233435 | 10000000 | chennai  |
```

```
MySQL 8.0 Command Line Client                                                                                              —    □    ×
Enter password: ********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 8.0.31 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database employee;
Query OK, 1 row affected (0.01 sec)

mysql> use employee;
Database changed
mysql> create table emloyee1(sno int(10),name char(20),designation_branch char(20));
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> desc employee1;
ERROR 1146 (42S02): Table 'employee.employee1' doesn't exist
mysql> desc employee1;
ERROR 1146 (42S02): Table 'employee.employee1' doesn't exist
mysql> desc emloyee1;
+--------------------+----------+------+-----+---------+-------+
| Field              | Type     | Null | Key | Default | Extra |
+--------------------+----------+------+-----+---------+-------+
| sno                | int      | YES  |     | NULL    |       |
| name               | char(20) | YES  |     | NULL    |       |
| designation_branch | char(20) | YES  |     | NULL    |       |
+--------------------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> alter table emloyee1
    -> add primary key(sno);
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc employee1
    -> ;
ERROR 1146 (42S02): Table 'employee.employee1' doesn't exist
mysql> desc emloyee1;
+--------------------+----------+------+-----+---------+-------+
| Field              | Type     | Null | Key | Default | Extra |
+--------------------+----------+------+-----+---------+-------+
| sno                | int      | NO   | PRI | NULL    |       |
| name               | char(20) | YES  |     | NULL    |       |
```