SQL PROGRAM 1

Create an employee table for the following details

S. No	Name	Designation	Branch
1	Suresh	Manager	Chennai
2	Ramesh	Supervisor	Madurai
3	Hari	Assistant	Trichy

```
MySQL 5.5 Command Line Cli    ×    +    ∨                              —    □    ×

mysql> use emp;
Database changed
mysql> create table emp(si int,name1 varchar(20),destination varchar(20),bra
nch varchar(20));
Query OK, 0 rows affected (0.04 sec)

mysql> insert into emp values (1,'Suresh','Manager','Chennai'),(2,'Ramesh','
Supervisor','Madurai'),(3,'Hari','Assistant','Trichy');
Query OK, 3 rows affected (0.04 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from emp;
+------+--------+-------------+---------+
| si   | name1  | destination | branch  |
+------+--------+-------------+---------+
|    1 | Suresh | Manager     | Chennai |
|    2 | Ramesh | Supervisor  | Madurai |
|    3 | Hari   | Assistant   | Trichy  |
+------+--------+-------------+---------+
3 rows in set (0.00 sec)
```

- Alter the table by adding a column salary

```
mysql> alter table emp
    -> add salary int;
Query OK, 3 rows affected (0.04 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from emp;
+------+--------+-------------+---------+--------+
| si   | name1  | destination | branch  | salary |
+------+--------+-------------+---------+--------+
|    1 | Suresh | Manager     | Chennai |   NULL |
|    2 | Ramesh | Supervisor  | Madurai |   NULL |
|    3 | Hari   | Assistant   | Trichy  |   NULL |
+------+--------+-------------+---------+--------+
3 rows in set (0.01 sec)
```

- Alter the table by modifying the column Name

```
mysql> alter table emp modify name1 varchar(20);
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select * from emp;
+------+--------+-------------+---------+--------+
| si   | name1  | destination | branch  | salary |
+------+--------+-------------+---------+--------+
|    1 | Suresh | Manager     | Chennai |   NULL |
|    2 | Ramesh | Supervisor  | Madurai |   NULL |
|    3 | Hari   | Assistant   | Trichy  |   NULL |
+------+--------+-------------+---------+--------+
3 rows in set (0.00 sec)
```

- Describe the table **employee**

```
mysql> describe emp;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| si          | int(11)     | YES  |     | NULL    |       |
| name1       | varchar(20) | YES  |     | NULL    |       |
| destination | varchar(20) | YES  |     | NULL    |       |
| branch      | varchar(20) | YES  |     | NULL    |       |
| salary      | int(11)     | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.05 sec)
```

- Rename table **employee** as **emp**

```
mysql> rename table emp to employee;
Query OK, 0 rows affected (0.04 sec)

mysql> select * from emp;
ERROR 1146 (42S02): Table 'emp.emp' doesn't exist
mysql> select * from employee;
+------+--------+-------------+---------+--------+
| si   | name1  | destination | branch  | salary |
+------+--------+-------------+---------+--------+
|    1 | Suresh | Manager     | Chennai |   NULL |
|    2 | Ramesh | Supervisor  | Madurai |   NULL |
|    3 | Hari   | Assistant   | Trichy  |   NULL |
```

- Delete the Second row from the table

```
mysql> delete from employee where si = 2;
Query OK, 1 row affected (0.04 sec)

mysql> select * from employee;
+------+--------+-------------+---------+--------+
| si   | name1  | destination | branch  | salary |
+------+--------+-------------+---------+--------+
|    1 | Suresh | Manager     | Chennai |   NULL |
|    3 | Hari   | Assistant   | Trichy  |   NULL |
+------+--------+-------------+---------+--------+
2 rows in set (0.01 sec)
```

- Drop the table

```
mysql> drop table employee;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from employee;
ERROR 1146 (42S02): Table 'emp.employee' doesn't exist
mysql>
```

RESULT:

These commands assume you are using a database management system (such as MySQL or PostgreSQL) to execute the queries.

```
mysql> drop table employee;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from employee;
ERROR 1146 (42S02): Table 'emp.employee' doesn't exist
```