

EXPERIMENT NO-1

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Course: BCA(AI&ML)

ROLL.NO: 15

Group: 1

Title: CREATION OF TABLES

1) Create a table called Employee with following structure.

Name	Type
Empno	Number
Ename	Varchar2(10)
Job	Varchar2(10)
Mgr	Number
Sal	Number

- A. Add a column commission with domain to the Employee table.
- B. Insert any five records into the table.
- C. Update the column details of job.
- D. Rename the column of Employee table using alter command.
- E. Delete the employee whose Empno is 105.

Objective: Implement the basic Knowledge of SQL queries and relational algebra.

Pre- requisites : Basic Understanding of SQL

SOLUTION:

SQL Worksheet

```

1 create table employee(empno number,ename varchar2(10),job varchar2(10),mgr number,sal number);
2 desc employee;
3

```

Column	Null?	Type
EMPNO	-	NUMBER
ENAME	-	VARCHAR2(10)
JOB	-	VARCHAR2(10)
MGR	-	NUMBER
SAL	-	NUMBER

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a. Add a column commission with domain to the Employee table.

SQL Worksheet

```

1 alter table employee add(commission number);
2 desc employee;
3
4

```

Column	Null?	Type
EMPNO	-	NUMBER
ENAME	-	VARCHAR2(10)
JOB	-	VARCHAR2(10)
MGR	-	NUMBER
SAL	-	NUMBER
COMMISSION	-	NUMBER

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b. Insert any five records into the table..

```

MySQL 8.0 Command Line Client
+-----+-----+-----+-----+-----+-----+
| Mgr    | int    | YES   |      | NULL  |      |
| Sal    | int    | YES   |      | NULL  |      |
| commission | int    | YES   |      | NULL  |      |
+-----+-----+-----+-----+-----+
6 rows in set (0.02 sec)

mysql> insert into employee values(1,"deepak","manager",2,50000,2000);
Query OK, 1 row affected (0.36 sec)

mysql> insert into employee values(1,"himanshu","HR",2,600000,3000);
Query OK, 1 row affected (0.14 sec)

mysql> insert into employee values(2,"chirag","Cashier",3,40000,2000);
Query OK, 1 row affected (0.06 sec)

mysql> update empno set empno=2 where ename="himanshu";
ERROR 1146 (42S02): Table 'deepak.empno' doesn't exist
mysql> update employee set empno=2 where ename="himanshu";
Query OK, 1 row affected (0.18 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set empno=3 where ename="chirag";
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> insert into employee values(4,"priyanshu","finance",3,50000,2000);
Query OK, 1 row affected (0.10 sec)

mysql> insert into employee values("5","neeta","finance",3,40000,4000);
Query OK, 1 row affected (0.07 sec)

mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+
| Empno | Ename   | job      | Mgr | Sal   | commission |
+-----+-----+-----+-----+-----+-----+
| 1     | deepak  | manager  | 2   | 50000 | 2000        |
| 2     | himanshu | HR       | 2   | 600000 | 3000        |
| 3     | chirag  | Cashier  | 3   | 40000 | 2000        |
| 4     | priyanshu | finance  | 3   | 50000 | 2000        |
| 5     | neeta   | finance  | 3   | 40000 | 4000        |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>

```

c. Update the Column details of job?

```

mysql> alter table employee modify column job varchar(15);
Query OK, 5 rows affected (4.29 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int       | YES  |     | NULL    |      |
| Ename | varchar(20) | YES  |     | NULL    |      |
| job   | varchar(15) | YES  |     | NULL    |      |
| Mgr   | int       | YES  |     | NULL    |      |
| Sal   | int       | YES  |     | NULL    |      |
| commission | int       | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)

mysql>

```

d. Rename the column of employee table using alter command.

```

mysql> alter table employee rename column Sal to Salary;
Query OK, 0 rows affected (1.41 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int       | YES  |     | NULL    |      |
| Ename | varchar(20) | YES  |     | NULL    |      |
| job   | varchar(15) | YES  |     | NULL    |      |
| Mgr   | int       | YES  |     | NULL    |      |
| Salary | int       | YES  |     | NULL    |      |
| commission | int       | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.06 sec)

mysql>

```

e. Delete the employee whose empno is 19.

```
mysql> delete from employee where empno=19;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+
| Empno | Ename   | job      | Mgr  | Salary | commission |
+-----+-----+-----+-----+-----+-----+
| 1     | deepak  | manager  | 2    | 50000  | 2000       |
| 2     | himanshu | HR       | 2    | 600000 | 3000       |
| 3     | chirag  | Cashier  | 3    | 40000  | 2000       |
| 4     | priyanshu | finance  | 3    | 50000  | 2000       |
| 5     | neeta   | finance  | 3    | 40000  | 4000       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.04 sec)
```

2) Create department table with the following structure.

Name	Type
Deptno	Number
Deptname	varchar2(20)
location	varchar2(20)

- Add column designation to the department table.
- Insert values into the table.
- List the records of emp table grouped by deptno.
- Update the record where deptno is 9.
- Delete any column data from the table.

Solution:

```
mysql> create table department(deptno int,deptname varchar(20),location varchar(20));
Query OK, 0 rows affected (0.27 sec)

mysql> select * from department;
Empty set (0.03 sec)

mysql> desc department;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| deptno | int       | YES  |     | NULL    |       |
| deptname | varchar(20) | YES  |     | NULL    |       |
| location | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.04 sec)
```

- Add column designation to the department table.

```
mysql> alter table department add column designation varchar(20);
Query OK, 0 rows affected (0.18 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc department;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| deptno     | int           | YES  |     | NULL    |       |
| deptname   | varchar(20)   | YES  |     | NULL    |       |
| location    | varchar(20)   | YES  |     | NULL    |       |
| designation | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

b. Insert values into the table.

```
mysql> insert into department value(1,"HR","faridabad","abc");
Query OK, 1 row affected (0.11 sec)

mysql> insert into department value(2,"Finanace","Delhi","abc");
Query OK, 1 row affected (0.07 sec)

mysql> insert into department value(2,"XYZ","Delhi","abc");
Query OK, 1 row affected (0.05 sec)

mysql> insert into department value(2,"sales","Palwal","CEO");
Query OK, 1 row affected (0.06 sec)

mysql> insert into department value(2,"marketing","Palwal","COO");
Query OK, 1 row affected (0.03 sec)

mysql> select * from department;
+-----+-----+-----+-----+
| deptno | deptname | location | designation |
+-----+-----+-----+-----+
| 1      | HR       | faridabad | abc         |
| 2      | Finanace | Delhi    | abc         |
| 2      | XYZ      | Delhi    | abc         |
| 2      | sales    | Palwal   | CEO         |
| 2      | marketing | Palwal   | COO         |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

c. List the records of emp table grouped by deptno.

```
mysql> select deptno from department group by deptno;
+-----+
| deptno |
+-----+
| 1      |
| 2      |
+-----+
2 rows in set (0.05 sec)

mysql>
```

d. Update the record where deptno is 9.

```
mysql> update department set deptname="shipping" where deptno=9;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

mysql> select * from department;
+-----+-----+-----+-----+
| deptno | deptname | location | designation |
+-----+-----+-----+-----+
| 1 | HR | faridabad | abc |
| 2 | Finanace | Delhi | abc |
| 2 | XYZ | Delhi | abc |
| 2 | sales | Palwal | CEO |
| 2 | marketing | Palwal | COO |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

- e. Delete any column data from the table.

```
mysql> alter table department drop column designation;
Query OK, 0 rows affected (0.14 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc department;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| deptno | int | YES | | NULL | |
| deptname | varchar(20) | YES | | NULL | |
| location | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)
```

3. Create a table called Customer table.

Name	Type
Cust name	Varchar2(20)
Cust street	Varchar2(20)
Cust city	Varchar2(20)

- Insert records into the table.
- Add salary column to the table.
- Alter the table column domain.

- d. Drop salary column of the customer table.
- e. Delete the rows of customers table whose cust_city is hyderabad.

Solution:

```
mysql> create table customers(Custname varchar(20),Custstreet varchar(20),Custcity varchar(20));
Query OK, 0 rows affected (0.83 sec)

mysql> desc customers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Custname   | varchar(20)   | YES  |     | NULL    |       |
| Custstreet | varchar(20)   | YES  |     | NULL    |       |
| Custcity   | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.50 sec)
```

- a. Insert records into the table.

```
mysql> insert into customers value("deepak","sec87","faridabd");
Query OK, 1 row affected (0.15 sec)

mysql> insert into customers value("himanshu","sec87","faridabd");
Query OK, 1 row affected (0.05 sec)

mysql> insert into customers value("Aniket","sec-4","hyderabad");
Query OK, 1 row affected (0.05 sec)

mysql> insert into customers value("Vashu","sec-9","hyderabad");
Query OK, 1 row affected (0.04 sec)

mysql> select * from customers
-> ;
+-----+-----+-----+
| Custname | Custstreet | Custcity |
+-----+-----+-----+
| deepak   | sec87      | faridabd |
| himanshu | sec87      | faridabd |
| Aniket   | sec-4      | hyderabad |
| Vashu    | sec-9      | hyderabad |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

- b. Add salary column to the table.

```
mysql> alter table customers add column salary int;
Query OK, 0 rows affected (0.19 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc customers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Custname   | varchar(20) | YES  |     | NULL    |       |
| Custstreet | varchar(20) | YES  |     | NULL    |       |
| Custcity   | varchar(20) | YES  |     | NULL    |       |
| salary     | int        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

c. Alter the table column domain.

```
mysql> alter table customers modify column Salary int;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc customers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Custname   | varchar(20) | YES  |     | NULL    |       |
| Custstreet | varchar(20) | YES  |     | NULL    |       |
| Custcity   | varchar(20) | YES  |     | NULL    |       |
| Salary     | int        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

d. Drop salary colum of the customer table.

```
mysql> alter table customers drop column Salary;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc customers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Custname   | varchar(20) | YES  |     | NULL    |       |
| Custstreet | varchar(20) | YES  |     | NULL    |       |
| Custcity   | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

e. Delete the rows of customers table whose cust_city is hyderabad.


```
mysql> delete from customers where custcity="hyderabad";
Query OK, 2 rows affected (0.09 sec)

mysql> select * from customers;
+-----+-----+-----+
| Custname | Custstreet | Custcity |
+-----+-----+-----+
| deepak   | sec87      | faridabd |
| himanshu | sec87      | faridabd |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

4. Create a table called branch table.

Name	Type
Branch name	Varchar2(20)
Branch city	Varchar2(20)
asserts	Number

- Increase the size of data type for asserts to the branch.
- Add and drop a column to the branch table.
- Insert values to the table.
- Update the branch name column.
- Delete any two columns from the table.

Solution:

```
mysql> create table sailor(Branchname varchar(20),Branchcity varchar(20),asserts int);
Query OK, 0 rows affected (0.49 sec)

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Branchname | varchar(20) | YES  |     | NULL    |       |
| Branchcity | varchar(20) | YES  |     | NULL    |       |
| asserts    | int        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.27 sec)
```

- Increase the size of data type for asserts to the branch.

```
mysql> alter table sailor modify column asserts int(10);
Query OK, 0 rows affected, 1 warning (0.20 sec)
Records: 0 Duplicates: 0 Warnings: 1
```

```
mysql> desc sailor;
```

Field	Type	Null	Key	Default	Extra
Branchname	varchar(20)	YES		NULL	
Branchcity	varchar(20)	YES		NULL	
asserts	int	YES		NULL	

3 rows in set (0.00 sec)

b. Add and drop a column to the branch table.

```
mysql> alter table sailor add Annualincome int;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc sailor;
```

Field	Type	Null	Key	Default	Extra
Branchname	varchar(20)	YES		NULL	
Branchcity	varchar(20)	YES		NULL	
asserts	int	YES		NULL	
Annualincome	int	YES		NULL	

4 rows in set (0.00 sec)

```
mysql> alter table sailor drop column annualincome;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc sailor;
```

Field	Type	Null	Key	Default	Extra
Branchname	varchar(20)	YES		NULL	
Branchcity	varchar(20)	YES		NULL	
asserts	int	YES		NULL	

3 rows in set (0.00 sec)

c. Insert values to the table.

```
mysql> insert into sailor value("Audi","faridabad",12);
Query OK, 1 row affected (0.10 sec)

mysql> insert into sailor value("mercedes","delhi",23);
Query OK, 1 row affected (0.04 sec)

mysql> insert into sailor value("volvo","delhi",12);
Query OK, 1 row affected (0.05 sec)

mysql> select * from sailor;
+-----+-----+-----+
| Branchname | Branchcity | asserts |
+-----+-----+-----+
| Audi       | faridabad  | 12      |
| mercedes   | delhi      | 23      |
| volvo      | delhi      | 12      |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

d. Update the branch name column.

```
mysql> alter table sailor modify column branchname varchar(10);
Query OK, 3 rows affected (0.65 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| branchname | varchar(10)   | YES  |     | NULL    |       |
| Branchcity | varchar(20)   | YES  |     | NULL    |       |
| asserts    | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

e. Delete any two columns from the table.

```
mysql> alter table sailor drop column branchcity;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table sailor drop column asserts;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| branchname | varchar(10)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

5. Create a table called sailor table.

Name	Type
Sid	Number
Sname	varchar(20)
rating	varchar(20)

- Add column age to the sailor table.
- Insert values into the sailor table.
- Delete the row with rating>8.
- Update the column details of sailor.
- Insert null values into the table.

Solution:

```
mysql> create table sailor(Sid int,Sname varchar(20),rating varchar(20));
Query OK, 0 rows affected (0.13 sec)

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Sid   | int           | YES  |     | NULL    |       |
| Sname | varchar(20)   | YES  |     | NULL    |       |
| rating | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

- Add column age to the sailor table.

```
mysql> alter table sailor add age int;
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Sid   | int           | YES  |     | NULL    |       |
| Sname | varchar(20)   | YES  |     | NULL    |       |
| rating | varchar(20)   | YES  |     | NULL    |       |
| age   | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

b. Insert values into the sailor table.

```
mysql> insert into sailor value(1,"himanshu","4 star","24");
Query OK, 1 row affected (0.03 sec)

mysql> insert into sailor value(2,"deepak","3star",34);
Query OK, 1 row affected (0.05 sec)

mysql> insert into sailor value(3,"Aakash","3star",26);
Query OK, 1 row affected (0.05 sec)

mysql> insert into sailor value(4,"jindal","9star",27);
Query OK, 1 row affected (0.04 sec)

mysql> insert into sailor value(5,"Anuj","8star",30);
Query OK, 1 row affected (0.06 sec)

mysql> select * from sailor;
+-----+-----+-----+-----+
| Sid  | Sname  | rating | age  |
+-----+-----+-----+-----+
| 1    | himanshu | 4 star | 24   |
| 2    | deepak  | 3star  | 34   |
| 3    | Aakash  | 3star  | 26   |
| 4    | jindal  | 9star  | 27   |
| 5    | Anuj    | 8star  | 30   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

c. Delete the row with rating>8.

```
mysql> delete from sailor where rating>8;
Query OK, 1 row affected (0.06 sec)

mysql> select * from sailor;
+-----+-----+-----+-----+
| Sid  | Sname  | rating | age  |
+-----+-----+-----+-----+
| 1    | himanshu | 4      | 24   |
| 2    | deepak  | 8      | 34   |
| 3    | Aakash  | 3      | 26   |
| 5    | Anuj    | 8      | 30   |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

d. Update the column details of sailor.

```
mysql> alter table sailor modify column rating int;
Query OK, 4 rows affected (0.23 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> desc sailor;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Sid   | int           | YES  |     | NULL    |       |
| Sname | varchar(20)   | YES  |     | NULL    |       |
| rating | int           | YES  |     | NULL    |       |
| age   | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

e. Insert null values into the table.

```
mysql> insert into sailor values(6,"Aayush",Null,25);
Query OK, 1 row affected (0.05 sec)

mysql> insert into sailor values(6,"Aryan",7,null);
Query OK, 1 row affected (0.06 sec)

mysql> select * from sailor;
+-----+-----+-----+-----+
| Sid | Sname   | rating | age |
+-----+-----+-----+-----+
| 1   | himanshu | 4      | 24  |
| 2   | deepak   | 8      | 34  |
| 3   | Aakash   | 3      | 26  |
| 5   | Anuj     | 8      | 30  |
| 6   | Aayush   | NULL   | 25  |
| 6   | Aryan    | 7      | NULL |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

6. Create a table called reserves table.

Name	Type
Boat id	integer
sid	integer
day	integer

- Insert values into the reserves table.
- Add column time to the reserves table.
- Alter the column day data type to date.
- Drop the column time in the table.
- Delete the row of the table with some condition.

Solution:

```
mysql> create table reserves(Boatid int,Sid int,Day int);
Query OK, 0 rows affected (0.13 sec)
```

a. Insert values into the reserves table.

```
mysql> insert into reserves value(1,101,2);
Query OK, 1 row affected (0.06 sec)

mysql> insert into reserves value(2,102,4);
Query OK, 1 row affected (0.06 sec)

mysql> insert into reserves value(3,103,5);
Query OK, 1 row affected (0.04 sec)

mysql> select * from reserves;
+-----+-----+-----+
| Boatid | Sid  | Day  |
+-----+-----+-----+
| 1      | 101  | 2    |
| 2      | 102  | 4    |
| 3      | 103  | 5    |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

b. Add column time to the reserves table.

```
mysql> alter table reserves add time int;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc reserves;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Boatid | int  | YES  |     | NULL    |       |
| Sid    | int  | YES  |     | NULL    |       |
| Day    | int  | YES  |     | NULL    |       |
| time   | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

c. Drop the column time in the table.

```
mysql> alter table reserves drop column time;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc reserves;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Boatid | int  | YES  |     | NULL    |       |
| Sid    | int  | YES  |     | NULL    |       |
| Day    | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

d. Delete the row of the table with some condition.

```
mysql> delete from reserves where Sid=102;  
Query OK, 1 row affected (0.06 sec)
```

```
mysql> select * from reserves;
```

```
+-----+-----+-----+  
| Boatid | Sid  | Day  |  
+-----+-----+-----+  
|      1 | 101 | -2032 |  
|      3 | 103 | -2022 |  
+-----+-----+-----+  
2 rows in set (0.00 sec)
```