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ROLL.NO: 32
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Title: CREATION OF TABLES

1) **Create a table called Employee with following structure.**
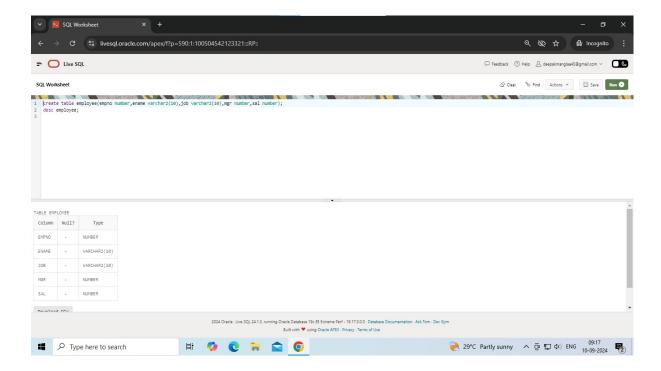
Name	Type
Empno	Number
Ename	Varchar2(10)
Job	Varchar2(10)
Mgr	Number
Sal	Number

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.

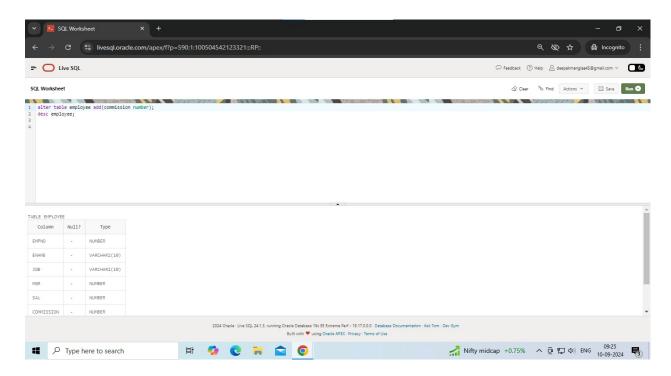**Objective: Implement the basic Knowledge of SQL queries and relational algebra.**
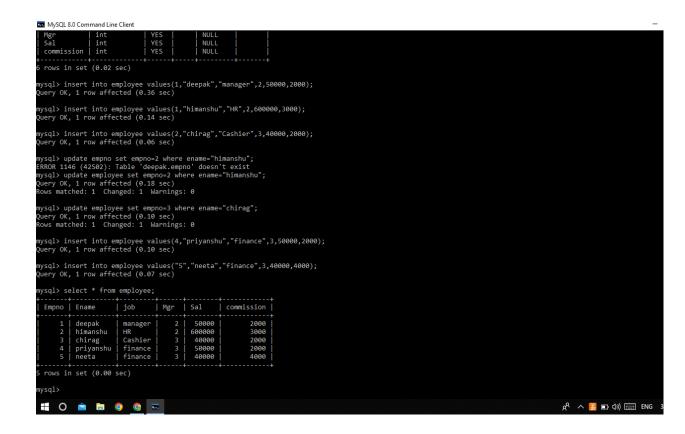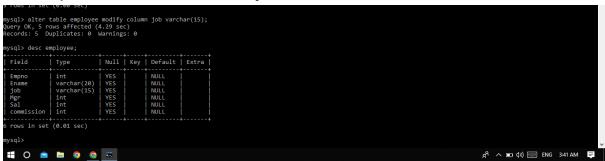**Pre- requisites : Basic Understanding of SQL**

SOLUTION:

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

b. Insert any five records into the table..

```
| 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?

```
5 rows in set (0.00 sec)

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.

```
at line 1
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)

a. Add column designation to the department table.
b. Insert values into the table.
c. List the records of emp table grouped by deptno.
d. Update the record where deptno is 9.
e. 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)
```

a. 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)

a. Insert records into the table.
b. Add salary column to the table.
c. Alter the table column domain.

d. Drop salary colum 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

    a. Increase the size of data type for asserts to the branch.
    b. Add and drop a column to the branch table.
    c. Insert values to the table.
    d. Update the branch name column.
    e. 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)
```

    a. 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)

    a. Add column age to the sailor table.
    b. Insert values into the sailor table.
    c. Delete the row with rating>8.
    d. Update the column details of sailor.
    e. 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)
```

    a. 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

a. Insert values into the reserves table.
b. Add column time to the reserves table.
c. Alter the column day data type to date.
d. Drop the column time in the table.
e. Delete the row of the table wih 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 wih 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)
```