Assignment-2
- Create a table with the following information:

Name of table: **student**

columns and data types: rollno number(6) (PK), name varchar(20), branch varchar(20);

create table student_02(rollno int(6) primary key,
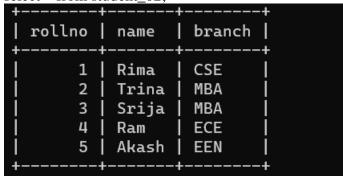   -> name varchar(20),
   -> branch varchar(20));

//display the table
desc student_02;

```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| rollno  | int         | NO   | PRI | NULL    |       |
| name    | varchar(20) | YES  |     | NULL    |       |
| branch  | varchar(20) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```

1. Inserting data into the student table

insert into student_02 values(
   -> 1,'Rima','CSE');
insert into student_02 values(
   -> 2,'Trina','MBA');
insert into student_02 values(
   -> 3,'Srija','MBA');
insert into student_02 values(
   -> 4,'Ram','ECE');
insert into student_02 values(
   -> 5,'Akash','EEN');

//show the full table
      select * from student_02;

```
+--------+-------+--------+
| rollno | name  | branch |
+--------+-------+--------+
|      1 | Rima  | CSE    |
|      2 | Trina | MBA    |
|      3 | Srija | MBA    |
|      4 | Ram   | ECE    |
|      5 | Akash | EEN    |
+--------+-------+--------+
```

2.Altering table by adding new column class varchar(20)

alter table student_02 add class varchar(20);

//show the table
select * from student_02;

```
+--------+-------+--------+-------+
| rollno | name  | branch | class |
+--------+-------+--------+-------+
|      1 | Rima  | CSE    | NULL  |
|      2 | Trina | MBA    | NULL  |
|      3 | Srija | MBA    | NULL  |
|      4 | Ram   | ECE    | NULL  |
|      5 | Akash | EEN    | NULL  |
+--------+-------+--------+-------+
```

3.Deleting a row from the table

delete from student_02 where rollno=5;

//show the table
select * from student_02;

```
+--------+-------+--------+-------+
| rollno | name  | branch | class |
+--------+-------+--------+-------+
|      1 | Rima  | CSE    | NULL  |
|      2 | Trina | MBA    | NULL  |
|      3 | Srija | MBA    | NULL  |
|      4 | Ram   | ECE    | NULL  |
+--------+-------+--------+-------+
```
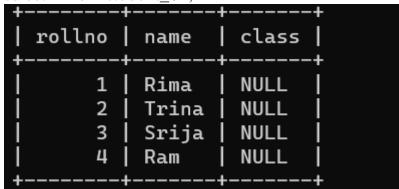
4.Drop column branch

alter table student_02 drop column branch;

//show the table
select * from student_02;

```
+--------+-------+-------+
| rollno | name  | class |
+--------+-------+-------+
|      1 | Rima  | NULL  |
|      2 | Trina | NULL  |
|      3 | Srija | NULL  |
|      4 | Ram   | NULL  |
+--------+-------+-------+
```
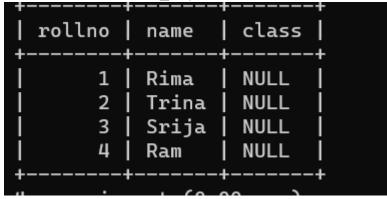
5.Alter table by changing the data type of rollno to number(8).

alter table student_02 modify rollno int(8);

//show the table
select * from student_02;

```
+--------+-------+-------+
| rollno | name  | class |
+--------+-------+-------+
|      1 | Rima  | NULL  |
|      2 | Trina | NULL  |
|      3 | Srija | NULL  |
|      4 | Ram   | NULL  |
+--------+-------+-------+
```

6.Delete all the data from student table.

delete from student_02;

//show the table
select * from student_02;

```
Empty set (0.00 sec)
```

7.Delete the table.

drop table student_02;

//show the table
select * from student_02;

```
ERROR 1146 (42S02): Table 'mysql.student_02' doesn't exist
mysql>
```