

1.

```
Query OK, 1 row affected (0.02 sec)

mysql>
```

2.

```
mysql> create database DBMS2025;
Query OK, 1 row affected (0.02 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| amitdb |
| dbms2025 |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.07 sec)

mysql> |
```

3.

```
mysql> use dbms2025;
Database changed
mysql> |
```

4.

```
mysql> use dbms2025;
Database changed
mysql> create table student(RollNo int(5) primary key, Name varchar(50)
NOT NULL, course varchar(30));
Query OK, 0 rows affected (0.09 sec)
```

5.

```
mysql> DESCRIBE student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| RollNo | int(5)        | NO   | PRI | NULL    |       |
| Name   | varchar(50)   | NO   |     | NULL    |       |
| course | varchar(30)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> |
```

6.

```
mysql> insert into student values(101, "Alice Brown", "Computer Science
");
Query OK, 1 row affected (0.01 sec)

mysql> insert into student values (102, "Bob Smith", "Mathematics");
Query OK, 1 row affected (0.00 sec)

mysql> insert into student values (103, "Clara Evans", "Physics");
Query OK, 1 row affected (0.00 sec)

mysql> insert into student values (103, "David White", "Chemistry");
ERROR 1062 (23000): Duplicate entry '103' for key 'PRIMARY'
mysql> insert into student values (104, "David White", "Chemistry");
Query OK, 1 row affected (0.00 sec)

mysql> insert into student
-> values
-> (105, "Eva Green", "Biology"),
-> (106, "Michael Cook", "Computer Science");
Query OK, 2 rows affected (0.00 sec)
Records: 2 Duplicates: 0 Warnings: 0

mysql> |
```

7.

```
mysql> select * from student;
```

RollNo	Name	course
101	Alice Brown	Computer Science
102	Bob Smith	Mathematics
103	Clara Evans	Physics
104	David White	Chemistry
105	Eva Green	Biology
106	Michael Cook	Computer Science

```
6 rows in set (0.00 sec)

mysql> |
```

8.

```
mysql> select *
-> from student
-> order by RollNo desc;
```

RollNo	Name	course
106	Michael Cook	Computer Science
105	Eva Green	Biology
104	David White	Chemistry
103	Clara Evans	Physics
102	Bob Smith	Mathematics
101	Alice Brown	Computer Science

```
6 rows in set (0.00 sec)

mysql> |
```

9.

```
mysql> delete from student
-> where RollNo =105;
Query OK, 1 row affected (0.01 sec)

mysql> select * from student;
+-----+-----+-----+
| RollNo | Name      | course      |
+-----+-----+-----+
| 101    | Alice Brown | Computer Science |
| 102    | Bob Smith   | Mathematics      |
| 103    | Clara Evans | Physics          |
| 104    | David White | Chemistry         |
| 106    | Michael Cook | Computer Science |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> |
```

10.

```
mysql> select * from student
-> where course="Mathematics";
+-----+-----+-----+
| RollNo | Name      | course      |
+-----+-----+-----+
| 102    | Bob Smith | Mathematics |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> |
```

11.

```
mysql> select count(*)
-> from student
-> where course="Computer Science";
+-----+
| count(*) |
+-----+
| 2        |
+-----+
1 row in set (0.00 sec)

mysql> |
```

12.

```
mysql> delete from student
      -> where course="Physics";
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from student;
```

RollNo	Name	course
101	Alice Brown	Computer Science
102	Bob Smith	Mathematics
104	David White	Chemistry
106	Michael Cook	Computer Science

```
4 rows in set (0.00 sec)
```

```
mysql> |
```

13.

```
mysql> select UPPER(RollNo), UPPER(Name), UPPER(course)
      -> from student;
```

UPPER(RollNo)	UPPER(Name)	UPPER(course)
101	ALICE BROWN	COMPUTER SCIENCE
102	BOB SMITH	MATHEMATICS
104	DAVID WHITE	CHEMISTRY
106	MICHAEL COOK	COMPUTER SCIENCE

```
4 rows in set (0.01 sec)
```

```
mysql> |
```

14.

```
mysql> select lower(RollNo), lower(Name), lower(course)
      -> from student;
```

lower(RollNo)	lower(Name)	lower(course)
101	alice brown	computer science
102	bob smith	mathematics
104	david white	chemistry
106	michael cook	computer science

```
4 rows in set (0.00 sec)
```

```
mysql> |
```

15.

```
mysql> truncate table student;
Query OK, 0 rows affected (0.03 sec)
```

16.

```
mysql> drop table student;
Query OK, 0 rows affected (0.01 sec)
```

17.

```
mysql> drop database dbms2025;
Query OK, 0 rows affected (0.02 sec)
```

18.

```
mysql> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| amitdb |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

mysql> |
```