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MySQL 8.1 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.1.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| mysql    |
| performance_schema |
| student  |
| sys      |
| visitor  |
+-----+
10 rows in set (0.01 sec)

mysql> create database museum;
Query OK, 1 row affected (0.01 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| museum   |
| mysql    |
| performance_schema |
| student  |
| sys      |
| visitor  |
+-----+
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mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| museum   |
| mysql    |
| performance_schema |
| student  |
| sys      |
| visitor  |
+-----+
11 rows in set (0.00 sec)

mysql> use museum;
Database changed

mysql> create table visitor
-> (vid int(6),vname varchar(20) not null ,country varchar(20) not null ,mno int(10),addr varchar(100));
Query OK, 0 rows affected, 2 warnings (0.03 sec)

mysql> alter table visitor modify vid int(6) primary key;
Query OK, 0 rows affected, 1 warning (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 1

mysql>
mysql> desc visitor;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| vid   | int  | NO   | PRI | NULL    |       |
| vname | varchar(20) | NO | | NULL    |       |
| country | varchar(20) | NO | | NULL    |       |
| mno   | int  | YES  | | NULL    |       |
| addr  | varchar(100) | YES | | NULL    |       |
+-----+
5 rows in set (0.02 sec)

mysql> alter table visitor modify country varchar(25);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
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mysql> desc visitor;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| vid   | int       | NO   | PRI | NULL    |       |
| vname | varchar(20) | NO   |     | NULL    |       |
| country | varchar(25) | YES  |     | NULL    |       |
| mno   | int       | YES  |     | NULL    |       |
| addr  | varchar(100) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> create table booking
-> (bid int(5) primary key , slotid int(5), loc varchar(10));
Query OK, 0 rows affected, 2 warnings (0.02 sec)

mysql> desc booking;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| bid   | int       | NO   | PRI | NULL    |       |
| slotid | int       | YES  |     | NULL    |       |
| loc   | varchar(10) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> ^C
mysql> create table visitor1
-> (vname varchar(20),vid int(3),check(vid>100));
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> ^C
mysql> ALTER TABLE visitor ADD gender varchar(10);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table visitor drop column gender;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc visitor;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| vid   | int       | NO   | PRI | NULL    |       |
| vname | varchar(20) | NO   |     | NULL    |       |
| country | varchar(25) | YES  |     | NULL    |       |
| mno   | int       | YES  |     | NULL    |       |
| addr  | varchar(100) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

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MySQL 8.1 Command Line Client

mysql> desc visitor;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| vid   | int       | NO   | PRI | NULL    |       |
| vname | varchar(20) | NO   |     | NULL    |       |
| country | varchar(25) | YES  |     | NULL    |       |
| mno   | int       | YES  |     | NULL    |       |
| addr  | varchar(100) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> insert into visitor
-> values(101,'Snehal','India',9860684680,'Alandi');
ERROR 1264 (22003): Out of range value for column 'mno' at row 1
mysql> insert into visitor
-> values(101,'Snehal','India',986068,'Alandi');
Query OK, 1 row affected (0.01 sec)

mysql> insert into visitor
-> values(102,'Prasad','India',906740,'Vishrantwadi');
Query OK, 1 row affected (0.00 sec)

mysql> select * from visitor;
+-----+-----+-----+-----+-----+
| vid | vname | country | mno | addr |
+-----+-----+-----+-----+-----+
| 101 | Snehal | India | 986068 | Alandi |
| 102 | Prasad | India | 906740 | Vishrantwadi |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> create view visitorview as select * from visitor where country='India';
Query OK, 0 rows affected (0.01 sec)

mysql> select * from visitorview;
+-----+-----+-----+-----+-----+
| vid | vname | country | mno | addr |
+-----+-----+-----+-----+-----+
| 101 | Snehal | India | 986068 | Alandi |
| 102 | Prasad | India | 906740 | Vishrantwadi |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
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MySQL 8.1 Command Line Client
mysql> create view visitorview2 as select vid,vname,mno from visitor;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from visitorview2;
+-----+-----+
| vid | vname | mno |
+-----+-----+
| 101 | Snehal | 986068 |
| 102 | Prasad | 906740 |
+-----+-----+
2 rows in set (0.00 sec)

mysql> insert into visitorview
-> values(103,'Harshu','USA', 909090, 'Pune');
Query OK, 1 row affected (0.00 sec)

mysql> select * from visitorview;
+-----+-----+-----+-----+-----+
| vid | vname | country | mno | addr |
+-----+-----+-----+-----+-----+
| 101 | Snehal | India | 986068 | Alandi |
| 102 | Prasad | India | 906740 | Vishrantwadi |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from visitor;
+-----+-----+-----+-----+-----+
| vid | vname | country | mno | addr |
+-----+-----+-----+-----+-----+
| 101 | Snehal | India | 986068 | Alandi |
| 102 | Prasad | India | 906740 | Vishrantwadi |
| 103 | Harshu | USA | 909090 | Pune |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into visitorview2
-> values(104,'Amar','USA',808080, 'Pune');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into visitorview2
-> values(104,'Amar','USA',808080, 'Pune');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into visitorview2
-> values(104,'Amar',808080);
Query OK, 1 row affected (0.00 sec)
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MySQL 8.1 Command Line Client
-> values(104,'Amar',808080);
Query OK, 1 row affected (0.00 sec)

mysql> select * from visitorview2;
+-----+-----+
| vid | vname | mno |
+-----+-----+
| 101 | Snehal | 986068 |
| 102 | Prasad | 906740 |
| 103 | Harshu | 909090 |
| 104 | Amar | 808080 |
+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from visitor;
+-----+-----+-----+-----+-----+
| vid | vname | country | mno | addr |
+-----+-----+-----+-----+-----+
| 101 | Snehal | India | 986068 | Alandi |
| 102 | Prasad | India | 906740 | Vishrantwadi |
| 103 | Harshu | USA | 909090 | Pune |
| 104 | Amar | NULL | 808080 | NULL |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> drop view visitorview;
Query OK, 0 rows affected (0.01 sec)

mysql> drop view visitorview2;
Query OK, 0 rows affected (0.00 sec)

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