1. Create the below table.

MariaDB [sqlass]> create table student(SID int primary key, SNAME varchar(30), ADDRESS varchar(50), AGE varchar(2), ROLL\_NO int(10));

Query OK, 0 rows affected (0.034 sec)

MariaDB [sqlass]> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| SID | int(11) | NO | PRI | NULL | |

| SNAME | varchar(30) | YES | | NULL | |

| ADDRESS | varchar(50) | YES | | NULL | |

| AGE | varchar(2) | YES | | NULL | |

| ROLL\_NO | int(10) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.019 sec)

1. Alter the table to
2. Not null for surname.

OUTPUT:-

MariaDB [sqlass]> alter table student modify SNAME varchar(30) not null;

Query OK, 0 rows affected (0.070 sec)

Records: 0 Duplicates: 0 Warnings:

MariaDB [sqlass]> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| SID | int(11) | NO | PRI | NULL | |

| SNAME | varchar(30) | NO | | NULL | |

| ADDRESS | varchar(50) | YES | | NULL | |

| AGE | varchar(2) | YES | | NULL | |

| ROLL\_NO | int(10) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.016 sec)

        2.Age can be only above 3.

OUTPUT:-

MariaDB [sqlass]> alter table student add check(AGE>=3);

Query OK, 0 rows affected (0.079 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [sqlass]> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| SID | int(11) | NO | PRI | NULL | |

| SNAME | varchar(30) | NO | | NULL | |

| ADDRESS | varchar(50) | YES | | NULL | |

| AGE | varchar(2) | YES | | NULL | |

| ROLL\_NO | int(10) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.018 sec)

MariaDB [sqlass]> insert into student values(1,"Sunil","Mumbai",2,101);

ERROR 4025 (23000): CONSTRAINT `CONSTRAINT\_1` failed for `sqlass`.`student`

MariaDB [sqlass]>

MariaDB [sqlass]> insert into student values(1,"Sunil","Mumbai",18,101);

Query OK, 1 row affected (0.003 sec)

1. Roll no unique

OUTPUT:-

MariaDB [sqlass]> alter table student add unique(ROLL\_NO);

Query OK, 0 rows affected (0.032 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [sqlass]> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| SID | int(11) | NO | PRI | NULL | |

| SNAME | varchar(30) | NO | | NULL | |

| ADDRESS | varchar(50) | YES | | NULL | |

| AGE | varchar(2) | YES | | NULL | |

| ROLL\_NO | int(10) | YES | UNI | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.046 sec)

       4. Add the new column contactno NUMBER.

OUTPUT:-

MariaDB [sqlass]> alter table student add column CONTACT\_NO int(15);

Query OK, 0 rows affected (0.018 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [sqlass]> desc student;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| SID | int(11) | NO | PRI | NULL | |

| SNAME | varchar(30) | NO | | NULL | |

| ADDRESS | varchar(50) | YES | | NULL | |

| AGE | varchar(2) | YES | | NULL | |

| ROLL\_NO | int(10) | YES | UNI | NULL | |

| CONTACT\_NO | int(15) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

6 rows in set (0.018 sec).

       5. Drop the constraint check on age column.

OUTPUT:-

MariaDB [sqlass]> alter table student drop constraint Constraint\_1;

Query OK, 0 rows affected (0.019 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [sqlass]> insert into student values(2,"Sunil","Mumbai",1,102,9565);

Query OK, 1 row affected (0.006 sec)

MariaDB [sqlass]> select \* from student;

+-----+-------+---------+------+---------+------------+

| SID | SNAME | ADDRESS | AGE | ROLL\_NO | CONTACT\_NO |

+-----+-------+---------+------+---------+------------+

| 1 | Sunil | Mumbai | 18 | 101 | NULL |

| 2 | Sunil | Mumbai | 1 | 102 | 9565 |

+-----+-------+---------+------+---------+------------+

2 rows in set (0.001 sec)

MariaDB [sqlass]>