mysql> use student;

Database changed

mysql> alter table stu add primary key(rollno);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table stu modify column mobile\_no int not null;

ERROR 1054 (42S22): Unknown column 'mobile\_no' in 'stu'

mysql> alter table stu add mobile\_no int(10);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table stu modify column mobile\_no int not null;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc stu;

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

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

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

| Rollno | int(10) | NO | PRI | 0 | |

| Name | varchar(20) | YES | | NULL | |

| Dept | varchar(4) | YES | | NULL | |

| Gender | varchar(1) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| city | varchar(20) | YES | | NULL | |

| mobile\_no | int(11) | NO | | NULL | |

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

7 rows in set (0.02 sec)

mysql> use faculty;

Database changed

mysql> alter table fal add primary key(faculty\_id);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table fal add check(gender = 'M' or gender = 'F');

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fal;

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

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

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

| Faculty\_id | varchar(4) | NO | PRI | | |

| Fac\_Name | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| DOJ | date | YES | | NULL | |

| Mobile\_no | int(10) | YES | | NULL | |

| dept | varchar(4) | YES | | NULL | |

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

7 rows in set (0.01 sec)

mysql>

mysql> use department;

Database changed

mysql> alter table dept add primary key(dept\_no);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc dept;

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

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

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

| Dept\_No | varchar(4) | NO | PRI | | |

| Dept\_Name | varchar(15) | YES | | NULL | |

| Dept\_Head | varchar(4) | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> use course;

Database changed

mysql> alter table cour add primary key(course\_no);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table cour add check (sem\_no >=1 and sem\_no <=6);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc cour;

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

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

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

| course\_no | varchar(3) | NO | PRI | | |

| course\_desc | varchar(14) | YES | | NULL | |

| course\_type | char(1) | YES | | NULL | |

| sem\_no | char(1) | YES | | NULL | |

| hall\_no | varchar(4) | YES | | NULL | |

| fal\_no | varchar(4) | YES | | NULL | |

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

6 rows in set (0.01 sec)

mysql> use student;

Database changed

mysql> INSERT INTO STU VALUES(0274,'vikas', 'cse','M',"2002-01-16",'cuddalaore',637435711);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STU VALUES(0273,'venuthna', 'cse','F',"2003-06-26",'CHENNAI',6324234);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO STU VALUES(0272,'esar', 'cse','M',"2002-09-14",'Vellore',98262324);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO STU VALUES(0271,'sai', 'cse','M',"2003-10-30",'chitoor',98262944);

Query OK, 1 row affected (0.01 sec)

mysql> select\* from stu;

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

| Rollno | Name | Dept | Gender | DOB | city | mobile\_no |

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

| 271 | sai | cse | M | 2003-10-30 | chitoor | 98262944 |

| 272 | esar | cse | M | 2002-09-14 | Vellore | 98262324 |

| 273 | venuthna | cse | F | 2003-06-26 | CHENNAI | 6324234 |

| 274 | vikas | cse | M | 2002-01-16 | cuddalaore | 637435711 |

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

4 rows in set (0.01 sec)

mysql> use faculty;

Database changed

mysql> alter table fal add age int(3);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc fal;

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

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

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

| Faculty\_id | varchar(4) | NO | PRI | | |

| Fac\_Name | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| DOJ | date | YES | | NULL | |

| Mobile\_no | int(10) | YES | | NULL | |

| dept | varchar(4) | YES | | NULL | |

| age | int(3) | YES | | NULL | |

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

8 rows in set (0.01 sec)

mysql> INSERT INTO FAL VALUES(2001,'Aishu','F',"2002-02-15","2022-02-14",784748,'CSE' ,66);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO FAL VALUES(1221,'ESWAR','M',"2000-01-15","2012-01-13",7823228,'IT',24);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO FAL VALUES(1451,'VENTHNA','F',"2004-06-27","2021-05-11",723458,'ECE',57);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO FAL VALUES(2321,'RAM','M',"2022-03-17","2004-05-16",83235,'EEE',34);

Query OK, 1 row affected (0.01 sec)

mysql> select\* from FAL;

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

| Faculty\_id | Fac\_Name | gender | DOB | DOJ | Mobile\_no | dept | age |

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

| 1221 | ESWAR | M | 2000-01-15 | 2012-01-13 | 7823228 | IT | 24 |

| 1451 | VENTHNA | F | 2004-06-27 | 2021-05-11 | 723458 | ECE | 57 |

| 2001 | Aishu | F | 2002-02-15 | 2022-02-14 | 784748 | CSE | 66 |

| 2321 | RAM | M | 2022-03-17 | 2004-05-16 | 83235 | EEE | 34 |

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

4 rows in set (0.00 sec)

mysql> USE department;

Database changed

mysql> desc dept;

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

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

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

| Dept\_No | varchar(4) | NO | PRI | | |

| Dept\_Name | varchar(15) | YES | | NULL | |

| Dept\_Head | varchar(4) | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> insert into dept values(01,'COMPUTER','VK');

Query OK, 1 row affected (0.00 sec)

mysql> insert into dept values(02,'ELECTRICAL','EV');

Query OK, 1 row affected (0.01 sec)

mysql> insert into dept values(03,'COMUNICATION','SA');

Query OK, 1 row affected (0.01 sec)

mysql> insert into dept values(04,'PHYSICS','VS');

Query OK, 1 row affected (0.01 sec)

mysql> insert into dept values(05,'MATHS','RJ');

Query OK, 1 row affected (0.00 sec)

mysql> select\* from DEPT;

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

| Dept\_No | Dept\_Name | Dept\_Head |

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

| 1 | COMPUTER | VK |

| 2 | ELECTRICAL | EV |

| 3 | COMUNICATION | SA |

| 4 | PHYSICS | VS |

| 5 | MATHS | RJ |

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

5 rows in set (0.00 sec)

mysql> USE COURSE;

Database changed

mysql> INSERT INTO COUR VALUES('01','COMPUTER\_SCI','M','1','004','2001');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO COUR VALUES('02','AI','M','3','067','2002');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO COUR VALUES('03','ENGLISH','M','1','001','2005');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO COUR VALUES('04','ETHICS','E','2','055','2004');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO COUR VALUES('05','DATA\_STRUCT','M','6','044','2003');

Query OK, 1 row affected (0.00 sec)

mysql> select\* from COUR;

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

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fal\_no |

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

| 01 | COMPUTER\_SCI | M | 1 | 004 | 2001 |

| 02 | AI | M | 3 | 067 | 2002 |

| 03 | ENGLISH | M | 1 | 001 | 2005 |

| 04 | ETHICS | E | 2 | 055 | 2004 |

| 05 | DATA\_STRUCT | M | 6 | 044 | 2003 |

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

5 rows in set (0.00 sec)

#2.UPDATE VALUE

UPDATE STUDENT     SET REGISTER\_NO = 191911023    WHERE REGISTER\_NO = 191711342;

mysql> use student1

Database changed

mysql> select\* from student;

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

| REGISTER\_NO | NAME | GENDER | DOB | MOBILE\_NO | CITY |

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

| 191711342 | viki | M | 1998-01-22 | 79764 | CHENNAI |

| 192011002 | vikas | M | 2002-02-23 | 79845 | CHENNAI |

| 192011003 | sekar | M | 2003-06-15 | 68768 | CHENNAI |

| 192011004 | vishnu | M | 2002-08-23 | 97894 | SAILAYUR |

| 192011008 | aishu | F | 2002-02-15 | 78487 | MOTIHARI |

| 192011010 | prakesh | M | 2000-01-23 | 79322 | JUMBOBUMBO |

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

6 rows in set (0.04 sec)

#3.DELETE THE RECORD

mysql> DELETE FROM FAl WHERE DOJ = "2022-02-14";

Query OK, 1 row affected (0.00 sec)

mysql> select\* from fal;

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

| Faculty\_id | Fac\_Name | gender | DOB | DOJ | Mobile\_no | dept | age |

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

| 1221 | ESWAR | M | 2000-01-15 | 2012-01-13 | 7823228 | IT | 24 |

| 1451 | VENTHNA | F | 2004-06-27 | 2021-05-11 | 723458 | ECE | 57 |

| 2321 | RAM | M | 2022-03-17 | 2004-05-16 | 83235 | EEE | 34 |

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

3 rows in set (0.00 sec)

#4 MODIFY

mysql> UPDATE FAL SET DOB = "1983-05-01" WHERE FAC\_NAME = 'RAM';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\* from fal;

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

| Faculty\_id | Fac\_Name | gender | DOB | DOJ | Mobile\_no | dept | age |

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

| 1221 | ESWAR | M | 2000-01-15 | 2012-01-13 | 7823228 | IT | 24 |

| 1451 | VENTHNA | F | 2004-06-27 | 2021-05-11 | 723458 | ECE | 57 |

| 2321 | RAM | M | 1983-05-01 | 2004-05-16 | 83235 | EEE | 34 |

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

3 rows in set (0.00 sec)

# REMOVE

mysql> DELETE FROM FAL WHERE AGE > 65;

Query OK, 0 rows affected (0.00 sec)

mysql> select\* from fal;

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

| Faculty\_id | Fac\_Name | gender | DOB | DOJ | Mobile\_no | dept | age |

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

| 1221 | ESWAR | M | 2000-01-15 | 2012-01-13 | 7823228 | IT | 24 |

| 1451 | VENTHNA | F | 2004-06-27 | 2021-05-11 | 723458 | ECE | 57 |

| 2321 | RAM | M | 1983-05-01 | 2004-05-16 | 83235 | EEE | 34 |

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

3 rows in set (0.00 sec)