mysql> create table student(rollno int,name varchar(25),dob int,department varchar(25),city varchar(25));

Query OK, 0 rows affected (0.03 sec)

mysql> desc student;

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

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

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

| rollno | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| dob | int | YES | | NULL | |

| department | varchar(25) | YES | | NULL | |

| city | varchar(25) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> create table marks(rollno int,name varchar(25),mark1 int,mark2 int);

Query OK, 0 rows affected (0.02 sec)

mysql> desc marks;

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

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

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

| rollno | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| mark1 | int | YES | | NULL | |

| mark2 | int | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> select \* from student;

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

| rollno | name | dob | department | city |

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

| 1 | Raja | 23 dec| Bsc cs | Ramnad |

| 2 | Hari | 24 jul | Bsc cs | Cbe |

| 3 | jana | 3 jul | Bsc it | chennai |

| 4 | mathi | 01 june | Bsc it | Salem |

| 5 | karthi | 12 mar | Bsc cs | Trichy |

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

5 rows in set (0.00 sec)

mysql> select \* from marks;

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

| rollno | name | mark1 | mark2 |

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

| 1 | Raja | 55 | 65 |

| 2 | Hari | 89 | 78 |

| 3 | Jana | 72 | 84 |

| 4 | Mathi | 56 | 23 |

| 1 | Karthi | 10 | 14 |

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

5 rows in set (0.00 sec)

mysql> alter table marks add total int after mark2;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc marks;

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

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

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

| rollno | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| mark1 | int | YES | | NULL | |

| mark2 | int | YES | | NULL | |

| total | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table student change dob dateofbirth varchar(25);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

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

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

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

| rollno | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| dateofbirth | varchar(25) | YES | | NULL | |

| department | varchar(25) | YES | | NULL | |

| city | varchar(25) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> select \* from student;

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

| rollno | name | dateofbirth | department | city |

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

| 1 | Raja | 23 dec | Bsc cs | Ramnad |

| 2 | Abhjith | 24 jul | Bsc cs | Cbe |

| 3 | Jana | 3 jul | Bsc it | Chennai |

| 4 | Mathi | 25 jan | Bsc it | Salem |

| 5 | Karthi | 30 feb | Bsc cs | Trichy |

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

5 rows in set (0.00 sec)

mysql> select \* from marks;

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

| rollno | name | mark1 | mark2 | total |

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

| 1 | Raja | 55 | 65 | NULL |

| 2 | Hari | 89 | 78 | NULL |

| 3 | Jana | 72 | 84 | NULL |

| 4 | Mathi | 56 | 23 | NULL |

| 1 | Karthi | 10 | 14 | NULL |

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

5 rows in set (0.00 sec)

mysql> show tables;

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

| Tables\_in\_assignment1 |

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

| marks |

| student |

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

2 rows in set (0.00 sec)

mysql> update marks set total=(mark1+mark2) where rollno=1;

Query OK, 2 rows affected (0.01 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select\* from marks;

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

| rollno | name | mark1 | mark2 | total |

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

| 1 | Raja | 55 | 65 | 120 |

| 2 | Hari | 89 | 78 | NULL |

| 3 | Jana | 72 | 84 | NULL |

| 4 | Mathi | 56 | 23 | NULL |

| 1 | Karthi | 10 | 14 | 24 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

mysql> update marks set total=(mark1+mark2) where rollno=4;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\* from marks;

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

| rollno | name | mark1 | mark2 | total |

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

| 1 | Raja | 55 | 65 | 120 |

| 2 | Hari | 89 | 78 | 167 |

| 3 | Jana | 72 | 84 | 156 |

| 4 | Mathi | 56 | 23 | 79 |

| 1 | Karthi | 10 | 14 | 24 |

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

5 rows in set (0.00 sec)

mysql>

mysql> delete from student where rollno=4;

Query OK, 1 row affected (0.01 sec)

mysql> select\* from student;

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

| rollno | name | dateofbirth | department | city |

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

| 1 | Raja | 23 dec | Bsc cs | Ramnad |

| 2 | Abhjith | 24 jul | Bsc cs | Cbe |

| 3 | Jana | 3 jul | Bsc it | Chennai |

| 5 | Karthi | 12 feb | Bsc cs | Trichy |

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

4 rows in set (0.00 sec)

mysql> select\* from student;

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

| rollno | name | dateofbirth | department | city |

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

| 1 | Raja | 25 aug | Bsc cs | Ramnad |

| 2 | Abhjith | 24 jul | Bsc cs | Cbe |

| 3 | Jana | 3 jul | Bsc it | Chennai |

| 5 | Karthi | 30 feb | Bsc cs | Trichy |

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

4 rows in set (0.00 sec)

mysql> select\* from marks;

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

| rollno | name | mark1 | mark2 | total |

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

| 1 | Raja | 55 | 65 | 120 |

| 2 | Hari | 89 | 78 | 167 |

| 3 | Jana | 72 | 84 | 156 |

| 4 | Mathi | 56 | 23 | 79 |

| 1 | Karthi | 10 | 14 | 24 |

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

5 rows in set (0.00 sec)

mysql> select rollno,name,mark1,mark2,total,(total)/2 as average from marks;

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

| rollno | name | mark1 | mark2 | total | average |

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

| 1 | Raja | 55 | 65 | 120 | 60.0000 |

| 2 | Hari | 89 | 78 | 167 | 83.5000 |

| 3 | Jana | 72 | 84 | 156 | 78.0000 |

| 4 | Mathi | 56 | 23 | 79 | 39.5000 |

| 1 | Karthi | 10 | 14 | 24 | 12.0000 |

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

5 rows in set (0.00 sec)

mysql> update marks set grade='fail' where mark1<40 or mark2<40;

Query OK, 2 rows affected (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from marks;

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

| rollno | name | mark1 | mark2 | total | grade |

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

| 1 | Raja | 55 | 65 | 120 | pass |

| 2 | Hari | 89 | 78 | 167 | pass |

| 3 | Jana | 72 | 84 | 156 | pass |

| 4 | Mathi | 56 | 23 | 79 | fail |

| 1 | Karthi | 10 | 14 | 24 | fail |

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

5 rows in set (0.00 sec)

mysql> alter table marks drop column average;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

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

| rollno | name | mark1 | mark2 | total | grade |

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

| 1 | Raja | 55 | 65 | 120 | pass |

| 2 | Hari | 89 | 78 | 167 | pass |

| 3 | Jana | 72 | 84 | 156 | pass |

| 4 | Mathi | 56 | 23 | 79 | fail |

| 1 | Karthi | 10 | 14 | 24 | fail |

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

5 rows in set (0.00 sec)

mysql> truncate table marks;

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from marks;

Empty set (0.00 sec)

mysql> truncate table student;

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from student;

Empty set (0.00 sec)