**CODING PRACTICE – 24/05/2023**

**mysql> create table student\_data(rollno int,name char(20),doj date,dept char(10));**

**Query OK, 0 rows affected (0.45 sec)**

**mysql> desc student\_data;**

**+--------+----------+------+-----+---------+-------+**

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

**+--------+----------+------+-----+---------+-------+**

**| rollno | int | YES | | NULL | |**

**| name | char(20) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**+--------+----------+------+-----+---------+-------+**

**4 rows in set (0.08 sec)**

**mysql> alter table student\_data add mobilenumber bigint after doj;**

**Query OK, 0 rows affected (0.45 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| rollno | int | YES | | NULL | |**

**| name | char(20) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**5 rows in set (0.00 sec)**

**mysql> alter table student\_data add sno int first;**

**Query OK, 0 rows affected (0.12 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| name | char(20) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**6 rows in set (0.00 sec)**

**mysql> alter table student\_data add emailid text(30);**

**Query OK, 0 rows affected (0.06 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| name | char(20) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**| emailid | tinytext | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**7 rows in set (0.00 sec)**

**mysql> alter table student\_data change name sname varchar(20);**

**Query OK, 0 rows affected (0.93 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student\_data;**

**+--------------+-------------+------+-----+---------+-------+**

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

**+--------------+-------------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| sname | varchar(20) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**| emailid | tinytext | YES | | NULL | |**

**+--------------+-------------+------+-----+---------+-------+**

**mysql> alter table student\_data MODIFY sname char(22);**

**Query OK, 0 rows affected (0.23 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| sname | char(22) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**| emailid | tinytext | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**7 rows in set (0.00 sec)**

**mysql> alter table student\_data RENAME st\_data;**

**Query OK, 0 rows affected (0.11 sec)**

**mysql> desc student\_data;**

**ERROR 1146 (42S02): Table 'blrdb.student\_data' doesn't exist**

**mysql> desc st\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| sname | char(22) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**| emailid | tinytext | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**7 rows in set (0.00 sec)**

**mysql> alter table st\_data drop column emailid;**

**Query OK, 0 rows affected (0.10 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc st\_data;**

**+--------------+----------+------+-----+---------+-------+**

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

**+--------------+----------+------+-----+---------+-------+**

**| sno | int | YES | | NULL | |**

**| rollno | int | YES | | NULL | |**

**| sname | char(22) | YES | | NULL | |**

**| doj | date | YES | | NULL | |**

**| mobilenumber | bigint | YES | | NULL | |**

**| dept | char(10) | YES | | NULL | |**

**+--------------+----------+------+-----+---------+-------+**

**6 rows in set (0.00 sec)**

**mysql> show tables;**

**+-----------------+**

**| Tables\_in\_blrdb |**

**+-----------------+**

**| st\_data |**

**+-----------------+**

**1 row in set (0.04 sec)**

**mysql> drop table st\_data;**

**Query OK, 0 rows affected (0.09 sec)**

**mysql> show tables;**

**Empty set (0.00 sec)**

**mysql> create table student\_data(rollno int,name char(20),doj date,dept char(10));**

**Query OK, 0 rows affected (0.14 sec)**

**mysql> insert into student\_data values(1001,'Arun','2023-01-12','CSE');**

**Query OK, 1 row affected (0.30 sec)**

**mysql> insert into student\_data(rollno,name,doj,dept)values(1002,'Arjun','2023-02-05','ECE');**

**Query OK, 1 row affected (0.09 sec)**

**mysql> insert into student\_data(rollno,name,doj,dept)values(1003,'Balaji','2023-02-07','EEE'),(1004,'Chandru','2023-03-12','CSE');**

**Query OK, 2 rows affected (0.08 sec)**

**Records: 2 Duplicates: 0 Warnings: 0**

**mysql> insert into student\_data values(1005,'Dhivya','2023-03-17','CEE'),(1064,'Deepa','2023-01-22','ECE'),(1007,'Ezhil','2023-03-03','Mech');**

**Query OK, 3 rows affected (0.06 sec)**

**Records: 3 Duplicates: 0 Warnings: 0**

**mysql> select \* from student\_data;**

**+--------+---------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+---------+------------+------+**

**| 1001 | Arun | 2023-01-12 | CSE |**

**| 1002 | Arjun | 2023-02-05 | ECE |**

**| 1003 | Balaji | 2023-02-07 | EEE |**

**| 1004 | Chandru | 2023-03-12 | CSE |**

**| 1005 | Dhivya | 2023-03-17 | CEE |**

**| 1064 | Deepa | 2023-01-22 | ECE |**

**| 1007 | Ezhil | 2023-03-03 | Mech |**

**+--------+---------+------------+------+**

**7 rows in set (0.03 sec)**

**mysql> select name from student\_data;**

**+---------+**

**| name |**

**+---------+**

**| Arun |**

**| Arjun |**

**| Balaji |**

**| Chandru |**

**| Dhivya |**

**| Deepa |**

**| Ezhil |**

**+---------+**

**7 rows in set (0.00 sec)**

**mysql> select name,dept from student\_data;**

**+---------+------+**

**| name | dept |**

**+---------+------+**

**| Arun | CSE |**

**| Arjun | ECE |**

**| Balaji | EEE |**

**| Chandru | CSE |**

**| Dhivya | CEE |**

**| Deepa | ECE |**

**| Ezhil | Mech |**

**+---------+------+**

**7 rows in set (0.00 sec)**

**mysql> select \* from student\_data where rollno = 1003;**

**+--------+--------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+--------+------------+------+**

**| 1003 | Balaji | 2023-02-07 | EEE |**

**+--------+--------+------------+------+**

**1 row in set (0.03 sec)**

**mysql> select \* from student\_data where name = 'Ezhil';**

**+--------+-------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+-------+------------+------+**

**| 1007 | Ezhil | 2023-03-03 | Mech |**

**+--------+-------+------------+------+**

**1 row in set (0.04 sec)**

**mysql> select \* from student\_data where dept = 'CSE';**

**+--------+---------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+---------+------------+------+**

**| 1001 | Arun | 2023-01-12 | CSE |**

**| 1004 | Chandru | 2023-03-12 | CSE |**

**+--------+---------+------------+------+**

**2 rows in set (0.00 sec)**

**mysql> update student\_data set doj='2023-03-15';**

**Query OK, 7 rows affected (0.07 sec)**

**Rows matched: 7 Changed: 7 Warnings: 0**

**mysql> select \* from student\_data;**

**+--------+---------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+---------+------------+------+**

**| 1001 | Arun | 2023-03-15 | CSE |**

**| 1002 | Arjun | 2023-03-15 | ECE |**

**| 1003 | Balaji | 2023-03-15 | EEE |**

**| 1004 | Chandru | 2023-03-15 | CSE |**

**| 1005 | Dhivya | 2023-03-15 | CEE |**

**| 1064 | Deepa | 2023-03-15 | ECE |**

**| 1007 | Ezhil | 2023-03-15 | Mech |**

**+--------+---------+------------+------+**

**7 rows in set (0.00 sec)**

**mysql> update student\_data set rollno=1006 where name='Deepa';**

**Query OK, 1 row affected (0.05 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> select \* from student\_data;**

**+--------+---------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+---------+------------+------+**

**| 1001 | Arun | 2023-03-15 | CSE |**

**| 1002 | Arjun | 2023-03-15 | ECE |**

**| 1003 | Balaji | 2023-03-15 | EEE |**

**| 1004 | Chandru | 2023-03-15 | CSE |**

**| 1005 | Dhivya | 2023-03-15 | CEE |**

**| 1006 | Deepa | 2023-03-15 | ECE |**

**| 1007 | Ezhil | 2023-03-15 | Mech |**

**+--------+---------+------------+------+**

**7 rows in set (0.00 sec)**

**mysql> update student\_data set name='Bala Kumar',dept='ECE' where rollno = 1003;**

**Query OK, 1 row affected (0.08 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> select \* from student\_data;**

**+--------+------------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+------------+------------+------+**

**| 1001 | Arun | 2023-03-15 | CSE |**

**| 1002 | Arjun | 2023-03-15 | ECE |**

**| 1003 | Bala Kumar | 2023-03-15 | ECE |**

**| 1004 | Chandru | 2023-03-15 | CSE |**

**| 1005 | Dhivya | 2023-03-15 | CEE |**

**| 1006 | Deepa | 2023-03-15 | ECE |**

**| 1007 | Ezhil | 2023-03-15 | Mech |**

**+--------+------------+------------+------+**

**7 rows in set (0.00 sec)**

**mysql> delete from student\_data where name='Deepa';**

**Query OK, 1 row affected (0.08 sec)**

**mysql> select \* from student\_data;**

**+--------+------------+------------+------+**

**| rollno | name | doj | dept |**

**+--------+------------+------------+------+**

**| 1001 | Arun | 2023-03-15 | CSE |**

**| 1002 | Arjun | 2023-03-15 | ECE |**

**| 1003 | Bala Kumar | 2023-03-15 | ECE |**

**| 1004 | Chandru | 2023-03-15 | CSE |**

**| 1005 | Dhivya | 2023-03-15 | CEE |**

**| 1007 | Ezhil | 2023-03-15 | Mech |**

**+--------+------------+------------+------+**

**6 rows in set (0.00 sec)**

**mysql> delete from student\_data;**

**Query OK, 6 rows affected (0.06 sec)**

**mysql> select \* from student\_data;**

**Empty set (0.00 sec)**

**mysql> truncate table student\_data;**

**Query OK, 0 rows affected (0.39 sec)**

**mysql> select \* from student\_data;**

**Empty set (0.01 sec)**