**CODING PRACTICE – 12/06/2023**

1. **To Show all the databases**

mysql> show databases;

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

| Database |

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

| amazon\_product |

| batch15 |

| blrdb |

| information\_schema |

| kgm |

| mysql |

| performance\_schema |

| sakila |

| sys |

| workbench |

| world |

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

11 rows in set (0.76 sec)

1. **To create a new Database**

mysql> create database Batch14

-> ;

Query OK, 1 row affected (0.24 sec)

mysql> show databases;

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

| Database |

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

| amazon\_product |

| batch14 |

| batch15 |

| blrdb |

| information\_schema |

| kgm |

| mysql |

| performance\_schema |

| sakila |

| sys |

| workbench |

| world |

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

12 rows in set (0.00 sec)

mysql> use batch14;

Database changed

mysql> show tables;

Empty set (0.30 sec)

mysql> select version();

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

| version() |

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

| 8.0.32 |

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

1 row in set (0.00 sec)

mysql> select current\_date;

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

| current\_date |

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

| 2023-06-12 |

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

1 row in set (0.05 sec)

mysql> select users();

ERROR 1305 (42000): FUNCTION batch14.users does not exist

mysql> select now();

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

| now() |

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

| 2023-06-12 17:48:06 |

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

1 row in set (0.03 sec)

mysql> create table student\_info(rollno int,name char(25),dept varchar(20));

Query OK, 0 rows affected (2.42 sec)

mysql> show tables;

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

| Tables\_in\_batch14 |

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

| student\_info |

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

1 row in set (0.26 sec)

mysql> desc student\_info;

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

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

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

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| dept | varchar(20) | YES | | NULL | |

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

3 rows in set (0.27 sec)

mysql> alter table student\_info add sno int first;

Query OK, 0 rows affected (0.47 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| dept | varchar(20) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> alter table student\_info add mobilenumber bigint after name;

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| dept | varchar(20) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table student\_info add doj date;

Query OK, 0 rows affected (0.12 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| dept | varchar(20) | YES | | NULL | |

| doj | date | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table student\_info change dept depart char(20);

Query OK, 0 rows affected (0.46 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| depart | char(20) | YES | | NULL | |

| doj | date | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table student\_info modify doj datetime;

Query OK, 0 rows affected (0.12 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| depart | char(20) | YES | | NULL | |

| doj | datetime | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table student\_info rename student\_det;

Query OK, 0 rows affected (0.12 sec)

mysql> desc student\_info;

ERROR 1146 (42S02): Table 'batch14.student\_info' doesn't exist

mysql> desc student\_det;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| depart | char(20) | YES | | NULL | |

| doj | datetime | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table student\_det drop column doj;

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_det;

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

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

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

| sno | int | YES | | NULL | |

| rollno | int | YES | | NULL | |

| name | char(25) | YES | | NULL | |

| mobilenumber | bigint | YES | | NULL | |

| depart | char(20) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> drop table student\_det;

Query OK, 0 rows affected (0.08 sec)

mysql> show tables;

Empty set (0.00 sec)

mysql> create table student\_info(rollno int,name char(25),dept varchar(20));

Query OK, 0 rows affected (0.43 sec)

mysql> show tables;

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

| Tables\_in\_batch14 |

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

| student\_info |

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

1 row in set (0.00 sec)

mysql> insert into student\_info(rollno,name,dept)values(1001,'Abijith','B.Sc CS');

Query OK, 1 row affected (0.21 sec)

mysql> insert into student\_info(rollno,name,dept)values(1002,'Soorya','BCA'),(1003,'Subash','BE CSE'),(1005,'Ram','B.Sc IT');

Query OK, 3 rows affected (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into student\_info values(1006,'Harini','BE ECE');

Query OK, 1 row affected (0.04 sec)

mysql> insert into student\_info values(1007,'Jegathesh','B.Com'),(1008,'Deepa','BA Eng');

Query OK, 2 rows affected (0.07 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from student\_info;

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

| rollno | name | dept |

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

| 1001 | Abijith | B.Sc CS |

| 1002 | Soorya | BCA |

| 1003 | Subash | BE CSE |

| 1005 | Ram | B.Sc IT |

| 1006 | Harini | BE ECE |

| 1007 | Jegathesh | B.Com |

| 1008 | Deepa | BA Eng |

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

7 rows in set (0.02 sec)

mysql> select name,dept from student\_info;

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

| name | dept |

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

| Abijith | B.Sc CS |

| Soorya | BCA |

| Subash | BE CSE |

| Ram | B.Sc IT |

| Harini | BE ECE |

| Jegathesh | B.Com |

| Deepa | BA Eng |

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

7 rows in set (0.00 sec)

mysql> select \* from student\_info where rollno = 1005;

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

| rollno | name | dept |

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

| 1005 | Ram | B.Sc IT |

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

1 row in set (0.03 sec)

mysql> select \* from student\_info where name = 'harini';

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

| rollno | name | dept |

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

| 1006 | Harini | BE ECE |

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

1 row in set (0.05 sec)

mysql>