-- existing databases in system

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

-- creating the new database schema

mysql> CREATE DATABASE ddl\_commands;

Query OK, 1 row affected (0.02 sec)

mysql> show databases;

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

| Database |

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

| ddl\_commands |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

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

7 rows in set (0.00 sec)

-- changing the database to ddl\_commands

mysql> use ddl\_commands;

Database changed

-- creating the table of student\_info with rollno and name

mysql> CREATE TABLE student\_info(

-> rollno INT PRIMARY KEY,

-> name VARCHAR(255) NOT NULL,

-> ADD email VARCHAR(255)

-> );

Query OK, 0 rows affected (0.43 sec)

mysql> show tables;

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

| Tables\_in\_ddl\_commands |

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

| student\_info |

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

1 row in set (0.01 sec)

-- Creating a view

mysql> CREATE VIEW view\_student\_info as (

-> select rollno from student\_info);

Query OK, 0 rows affected (0.01 sec)

mysql> desc view\_student\_info;

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

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

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

| rollno | int | NO | | NULL | |

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

1 row in set (0.01 sec)

mysql> desc student\_info;

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

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

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

| rollno | int | NO | PRI | NULL | |

| name | varchar(255) | NO | | NULL | |

| email | varchar(255) | YES | | NULL | |

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

3 rows in set (0.00 sec)

-- Creating Index

mysql> CREATE INDEX idx\_name ON student\_info(name);

Query OK, 0 rows affected (0.36 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student\_info;

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

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

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

| rollno | int | NO | PRI | NULL | |

| name | varchar(255) | NO | MUL | NULL | |

| email | varchar(255) | YES | | NULL | |

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

3 rows in set (0.01 sec)

-- Creating Sequence

-- Creating new table

mysql> CREATE TABLE info(

-> id INT AUTO\_INCREMENT PRIMARY KEY,

-> rollno INT NOT NULL,

-> name VARCHAR(255)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> show tables

-> ;

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

| Tables\_in\_ddl\_commands |

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

| info |

| student\_info |

| view\_student\_info |

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

3 rows in set (0.01 sec)

-- Inserting values in table

mysql> INSERT INTO info (rollno, name) VALUES ('081','mihir');

Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO info (rollno, name) VALUES ('082','megha');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO info (rollno, name) VALUES ('083','sanket');

Query OK, 1 row affected (0.01 sec)

-- Sequence created in id column

mysql> SELECT \* FROM info;

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

| id | rollno | name |

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

| 1 | 81 | mihir |

| 2 | 82 | megha |

| 3 | 83 | sanket |

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

3 rows in set (0.00 sec)