CREATE DATABASE IF NOT EXISTS School\_dataNew;

use school\_dataNew;

-- Primary Key constraints

CREATE TABLE School\_dataNew.Student\_Data (student\_roll\_no INT Primary Key,

Student\_nameVARCHAR(100),age INT);

-- Unique key constraints

CREATE TABLE School\_dataNew.Student\_Unique(student\_roll\_no INT Primary Key,

Student\_nameVARCHAR(100) NOT NULL UNIQUE,age INT);

-- NOT NULL constraints

CREATE TABLE School\_dataNew.Student\_Data\_rev(student\_roll\_no INT Primary Key,

Student\_nameVARCHAR(100) NOT NULL,age INT);

-- foreign key constraints

CREATE DATABASE IF NOT EXISTS Product\_details;

CREATE table Product\_details.Customer\_data(customer\_id int PRIMARY KEY, customer\_name varchar(50)

NOT NULL , address varchar(50));

CREATE table Product\_details.Orders(order\_id int PRIMARY KEY, order\_name varchar(60) NOT NULL,

customer\_id int, FOREIGN KEY (customer\_id) REFERENCES Shop.customer\_data(customer\_id));

-- check constraints

CREATE TABLE School\_dataNew.Student(student\_roll\_no INT Primary Key,

Student\_nameVARCHAR(100) NOT NULL,age INT CHECK(age > 0));

CREATE TABLE School\_dataNew.Student\_Default\_constraint(student\_roll\_no INT Primary Key,

Student\_nameVARCHAR(100) NOT NULL,age INT CHECK(age > 0), city VARCHAR(50) DEFAULT 'Mumbai');

-- check constraints

describe student\_default\_constraint;

-- Index

CREATE TABLE IF NOT Exists Student\_Index(student\_roll\_noINT,Student\_name VARCHAR(100),age INT,

INDEX Age\_Index (age));

describe Student\_unique;

ALTER TABLE Student ADD INDEX Age\_Index (age);

CREATE UNIQUE INDEX Age\_Index ON Student\_unique(age);

INSERT INTO School\_dataNew.student\_dataVALUES(101, 'Adam', 13);

INSERT INTO School\_dataNew.student\_dataVALUES(102, 'John', 13);

UPDATE school\_data.student\_data SET age=16 WHERE student\_roll\_no=102;

SET SQL\_SAFE\_UPDATES = 0;

UPDATE school\_dataNew.student\_data SET age=20 ;

DELETE FROM student\_data WHERE student\_roll\_no=102;