create Database School\_data;

Use School\_data;

CREATE TABLE Students

(

name VARCHAR(50) NOT NULL,

age INT NOT NULL,

phone\_number CHAR(11) NOT NULL,

address VARCHAR(100) NOT NULL,

level INT NOT NULL,

student\_id INT NOT NULL,

PRIMARY KEY (student\_id)

);

CREATE TABLE Teachers

(

name VARCHAR(50) NOT NULL,

email VARCHAR(50) NOT NULL,

years\_of\_exp INT NOT NULL,

salary INT NOT NULL,

PRIMARY KEY (email)

);

CREATE TABLE Courses

(

course\_name VARCHAR(100) NOT NULL,

duration INT NOT NULL,

start\_date DATE NOT NULL,

description VARCHAR(200) NOT NULL,

course\_code CHAR(7) NOT NULL,

email VARCHAR(50) NOT NULL,

PRIMARY KEY (course\_code),

FOREIGN KEY (email) REFERENCES Teachers(email)

);

CREATE TABLE takes

(

grade FLOAT NOT NULL,

student\_id INT NOT NULL,

course\_code CHAR(7) NOT NULL,

PRIMARY KEY (student\_id, course\_code),

FOREIGN KEY (student\_id) REFERENCES Students(student\_id),

FOREIGN KEY (course\_code) REFERENCES Courses(course\_code)

);

insert into Students (name, age , Phone\_number , address , level,student\_id) values

("Ahmed Ali" , 20 , 01536434341 , "dokki" , 1 , 123-001),

("Mohamed ibrahim" , 20 , 01536254341 , "El haram" , 1 , 123-002),

("Mohamed saleh" , 21 , 01536434341 , "Tahrir" , 2 , 123-003),

("Ahmed Ahmed" , 22 , 01536664341 , "El obour" , 1 , 123-004),

("Sayed Ali" , 20 , 01588834341 , "Giza" , 1 , 123-005),

("Tarek Ali" , 22, 01536434441 , "dokki" , 1 , 123-006),

("Salem Ali" , 20 , 01536496341 , "Fifth settelment" , 2 , 123-007),

("Ahmed Ibrahim" , 21 , 01536436666 , "Tahrir" , 1 , 123-008),

("sami Ali" , 20 , 01532624341 , "New Cairo" , 1 , 123-009),

("Hady Ali" , 21 , 01533334341 , "Madinaty" , 3 , 123-010);

select \* from Students;