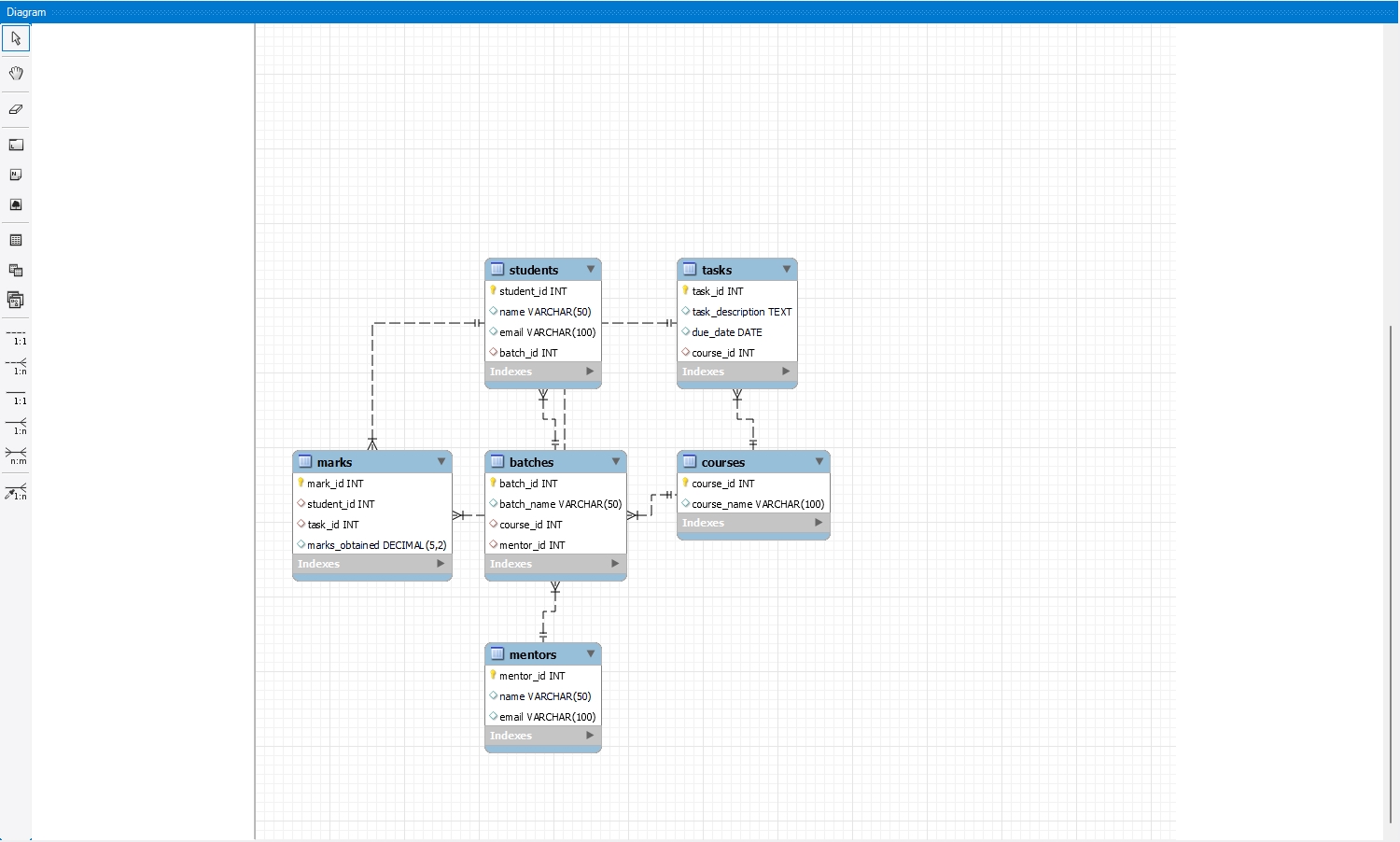
Design DB Model for GUVI Zen Class



SQL Queries Used:

CREATE TABLE students (

student\_id INT PRIMARY KEY,

name VARCHAR(50),

email VARCHAR(100)

);

CREATE TABLE tasks (

task\_id INT PRIMARY KEY,

task\_description TEXT,

due\_date DATE

);

CREATE TABLE mentors (

mentor\_id INT PRIMARY KEY,

name VARCHAR(50),

email VARCHAR(100)

);

CREATE TABLE courses (

course\_id INT PRIMARY KEY,

course\_name VARCHAR(100)

);

CREATE TABLE batches (

batch\_id INT PRIMARY KEY,

batch\_name VARCHAR(50),

course\_id INT,

mentor\_id INT,

FOREIGN KEY (course\_id) REFERENCES courses(course\_id),

FOREIGN KEY (mentor\_id) REFERENCES mentors(mentor\_id)

);

CREATE TABLE marks (

mark\_id INT PRIMARY KEY,

student\_id INT,

task\_id INT,

marks\_obtained DECIMAL(5,2),

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

FOREIGN KEY (task\_id) REFERENCES tasks(task\_id)

);

ALTER TABLE students

ADD COLUMN batch\_id INT,

ADD FOREIGN KEY (batch\_id) REFERENCES batches(batch\_id);

ALTER TABLE tasks

ADD COLUMN course\_id INT,

ADD FOREIGN KEY (course\_id) REFERENCES courses(course\_id);