**2025-05-18**

A screenshot of a computer program

AI-generated content may be incorrect.

-- 创建数据库

CREATE DATABASE IF NOT EXISTS EdexcelMath;

USE EdexcelMath;

-- 用户表

CREATE TABLE IF NOT EXISTS users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

email VARCHAR(100) UNIQUE,

role ENUM('student', 'teacher', 'admin') DEFAULT 'student',

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

);

-- 考试试卷表

CREATE TABLE IF NOT EXISTS exams (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255),

paper\_code VARCHAR(50),

year INT,

series VARCHAR(20),

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP

);

-- 题目表（数学题）

CREATE TABLE IF NOT EXISTS questions (

id INT AUTO\_INCREMENT PRIMARY KEY,

paper\_id INT,

question\_number VARCHAR(10),

sub\_question VARCHAR(5),

question\_text TEXT,

marks INT,

level ENUM('question', 'sub\_question'),

`order` INT,

FOREIGN KEY (paper\_id) REFERENCES exams(id)

);

-- 学生作答记录

CREATE TABLE IF NOT EXISTS answers (

id INT AUTO\_INCREMENT PRIMARY KEY,

question\_id INT,

student\_id INT,

session\_id INT,

answer\_text TEXT,

image\_url VARCHAR(255),

graph\_data JSON,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (question\_id) REFERENCES questions(id),

FOREIGN KEY (student\_id) REFERENCES users(id)

);

-- 自动评分记录

CREATE TABLE IF NOT EXISTS scores (

id INT AUTO\_INCREMENT PRIMARY KEY,

question\_id INT,

student\_id INT,

session\_id INT,

score FLOAT,

reason TEXT,

mark\_breakdown JSON,

created\_at DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (question\_id) REFERENCES questions(id),

FOREIGN KEY (student\_id) REFERENCES users(id)

);



