CREATE DATABASE attendance;

USE attendance;

CREATE TABLE students (

student\_id INT PRIMARY KEY AUTO\_INCREMENT,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

class\_id INT NOT NULL

);

CREATE TABLE classes (

class\_id INT PRIMARY KEY AUTO\_INCREMENT,

class\_name VARCHAR(50) NOT NULL,

teacher\_name VARCHAR(50) NOT NULL

);

CREATE TABLE attendance (

attendance\_id INT PRIMARY KEY AUTO\_INCREMENT,

student\_id INT NOT NULL,

class\_id INT NOT NULL,

date DATE NOT NULL,

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

FOREIGN KEY (class\_id) REFERENCES classes(class\_id)

);

CREATE PROCEDURE check\_student\_class(IN student\_id INT)

BEGIN

SELECT s.student\_id, s.first\_name, s.last\_name, c.class\_name, a.class\_id

FROM students s

JOIN attendance a ON s.student\_id = a.student\_id

JOIN classes c ON a.class\_id = c.class\_id

WHERE s.student\_id = student\_id;

IF NOT EXISTS (SELECT 1

FROM students s

JOIN attendance a ON s.student\_id = a.student\_id

JOIN classes c ON a.class\_id = c.class\_id

WHERE s.student\_id = student\_id AND s.class\_id = a.class\_id) THEN

SELECT 'Student is in the wrong class.' AS result;

ELSE

SELECT 'Student is in the correct class.' AS result;

END IF;

END;