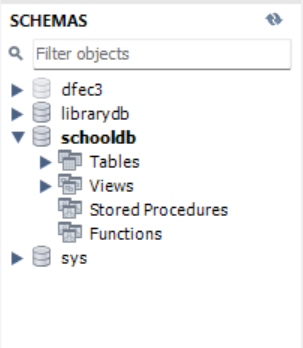
Stephanie Davis

Database: Advanced Level Project: Student Course Enrolment System

Project 3

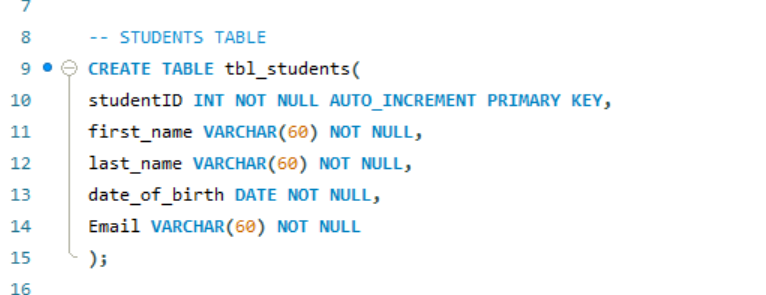
**Requirements**:

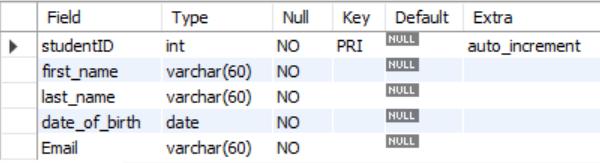
**Database Name**: SchoolDB



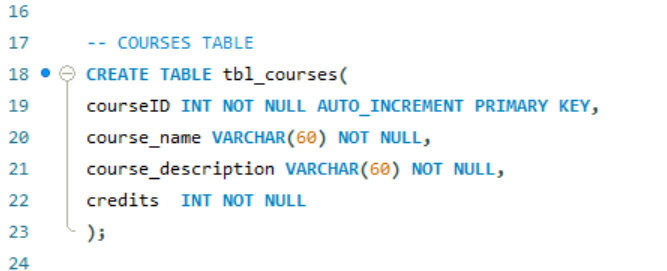
1. **Tables**:

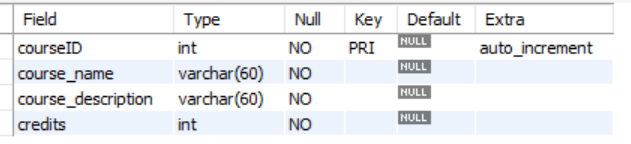
***1.1 Students***: student\_id (Primary Key), first\_name, last\_name, date\_of\_birth, email



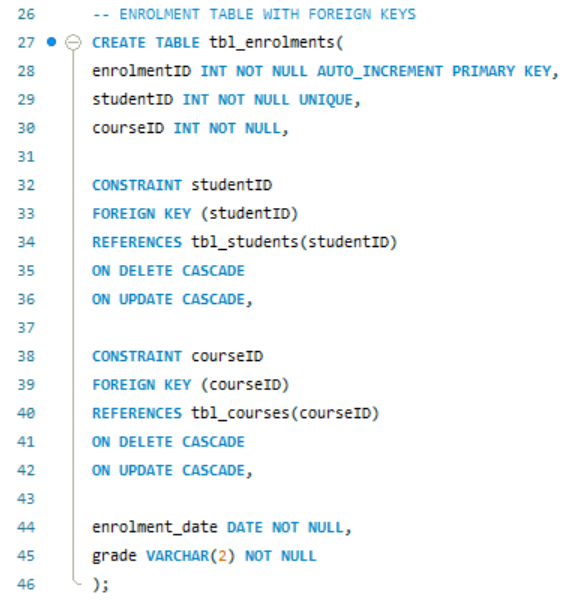
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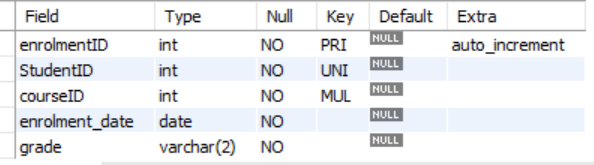
**1.2 Courses**: course\_id (Primary Key), course\_name, description, credits



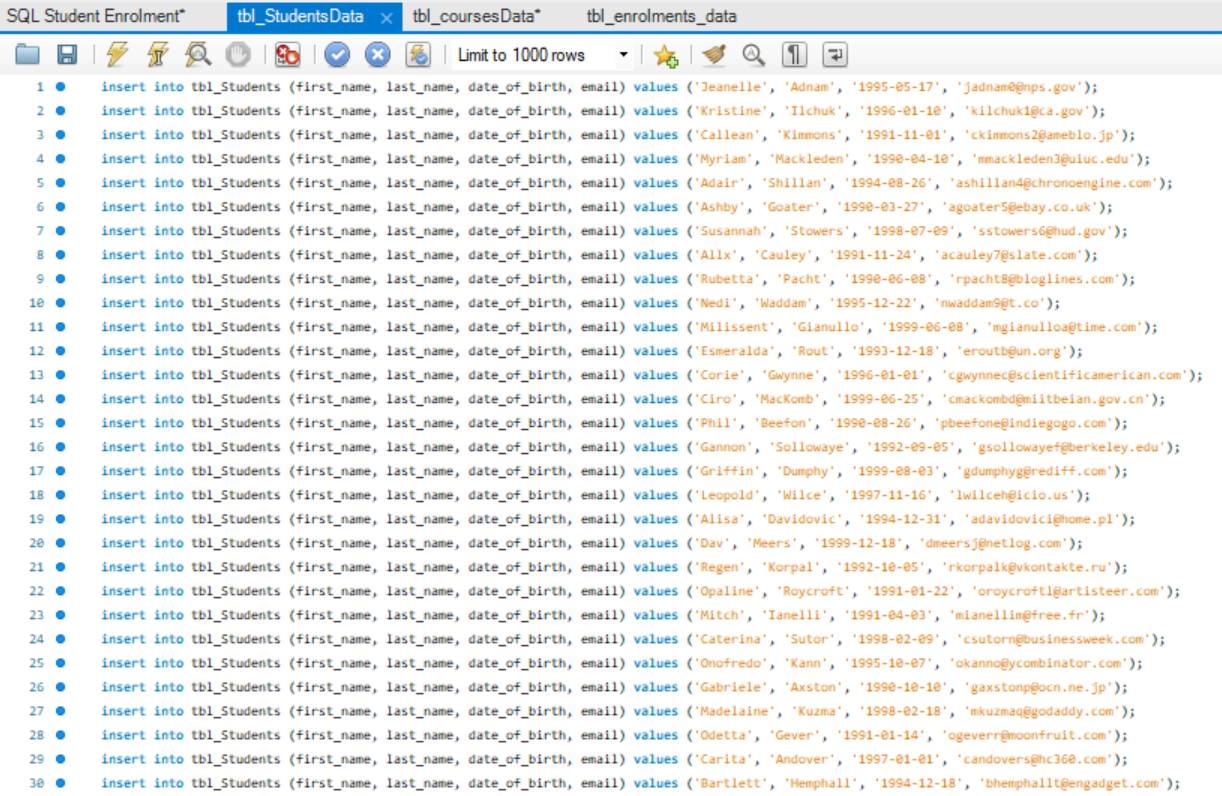


**1.3 Enrolments**: enrollment\_id (Primary Key), student\_id (Foreign Key referencing , Students.student\_id), course\_id (Foreign Key referencing Courses.course\_id), enrolment\_date, grade

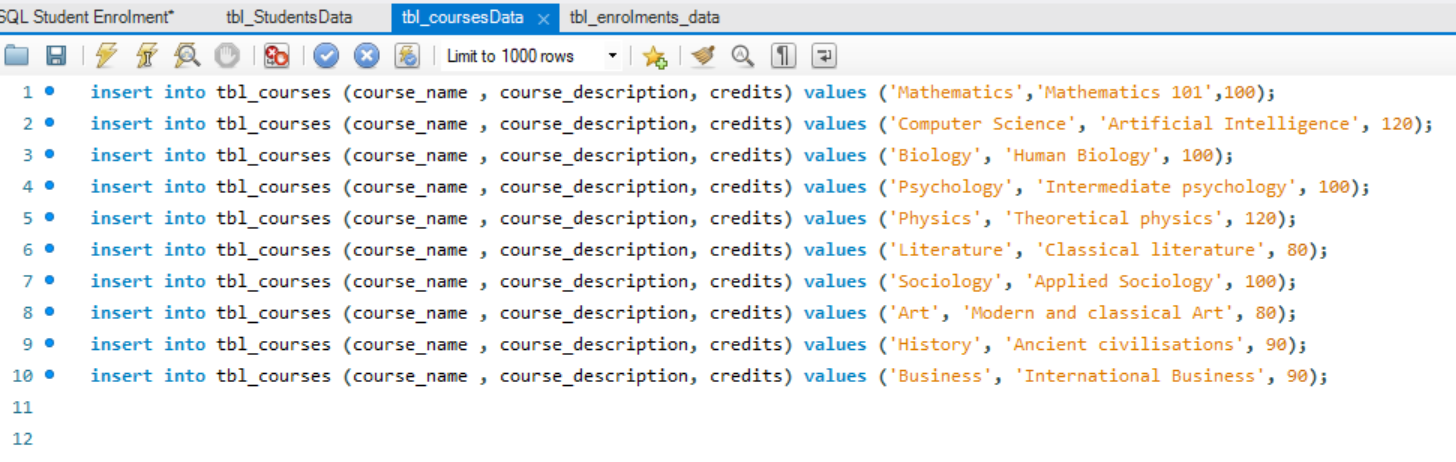


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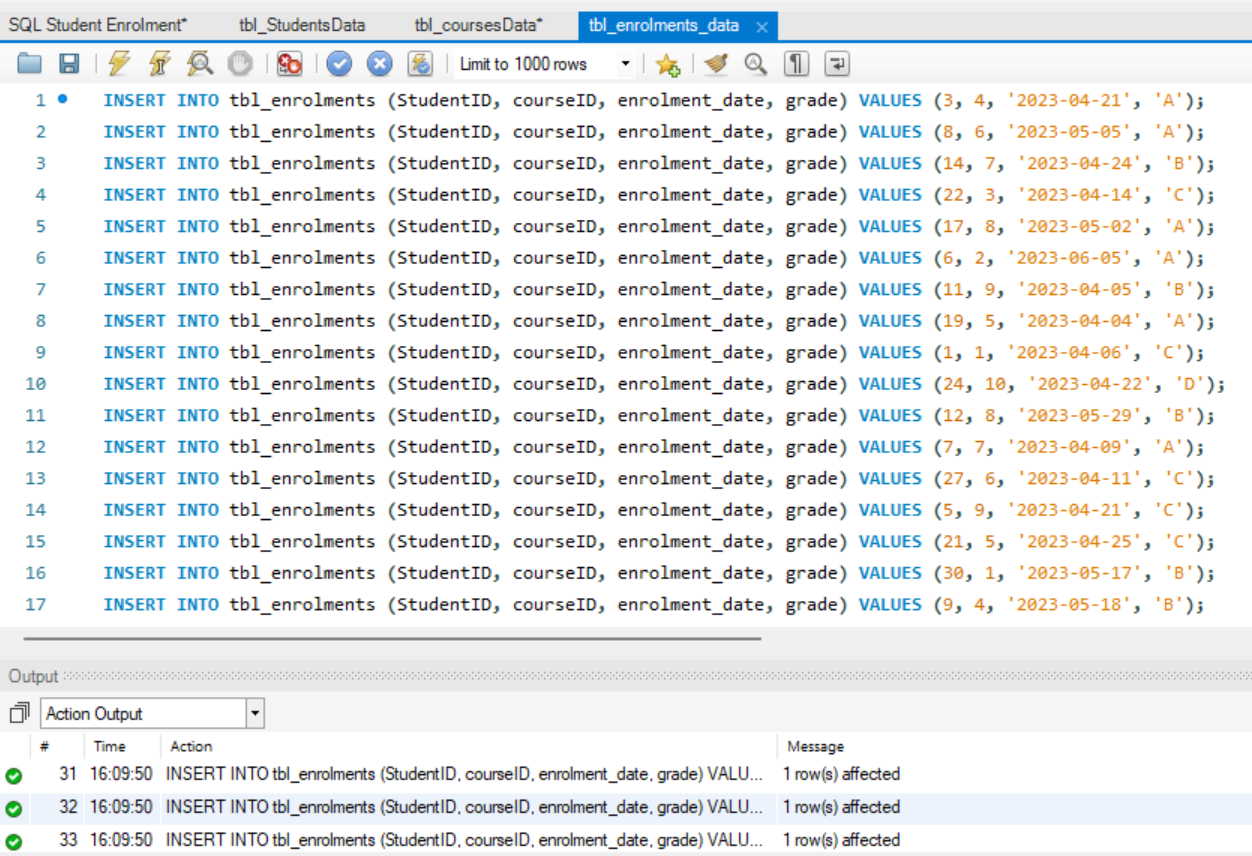
1. **Insert sample data into each table.**

2.1 Students table

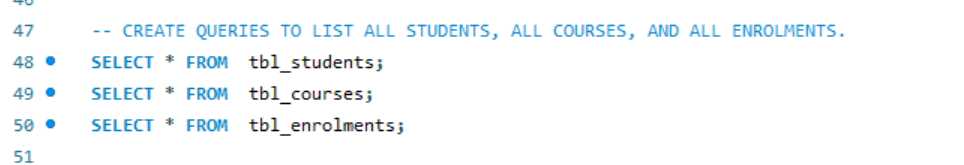
2.2 Courses table



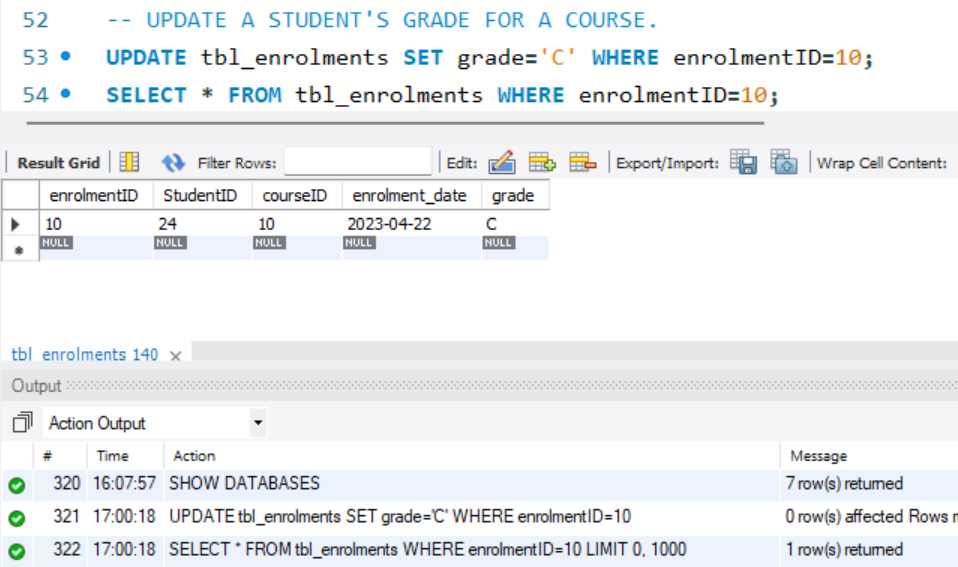
2.3 Enrolment table



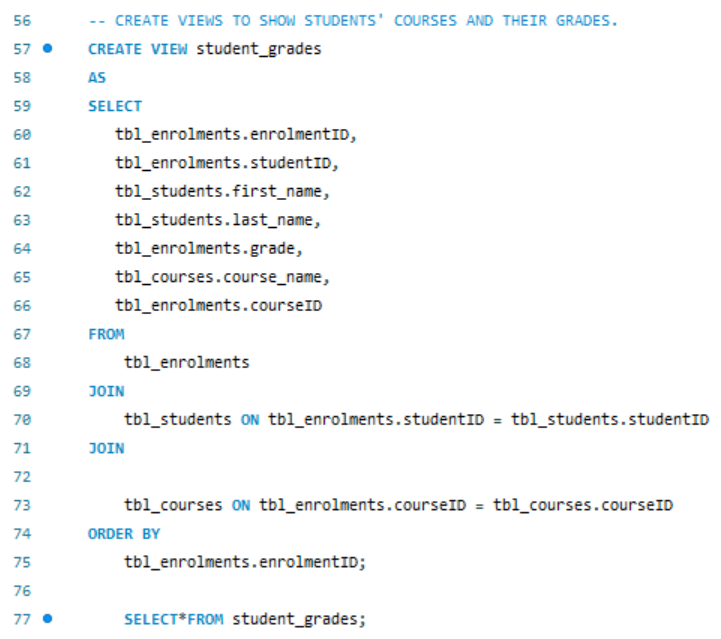
1. **Create queries to list all students, all courses, and all enrolments.**

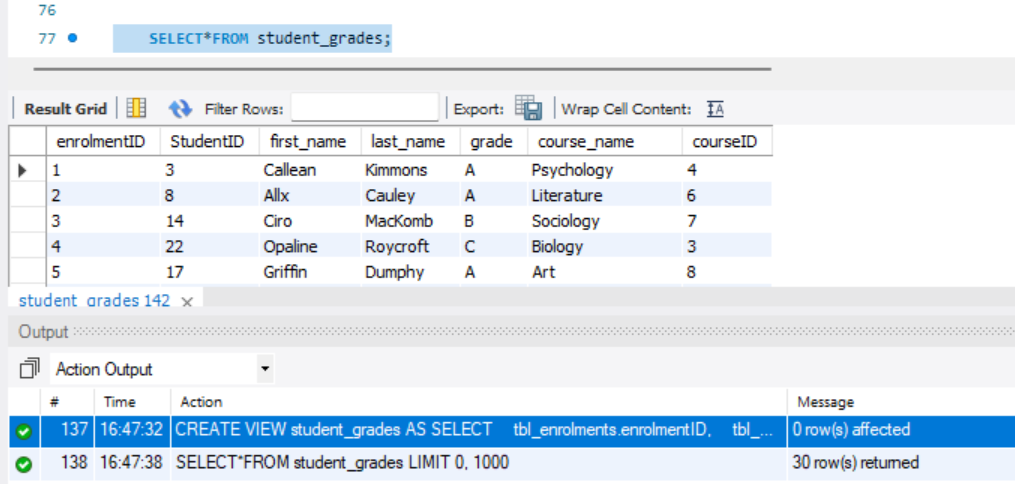


1. **Update a student's grade for a course.**

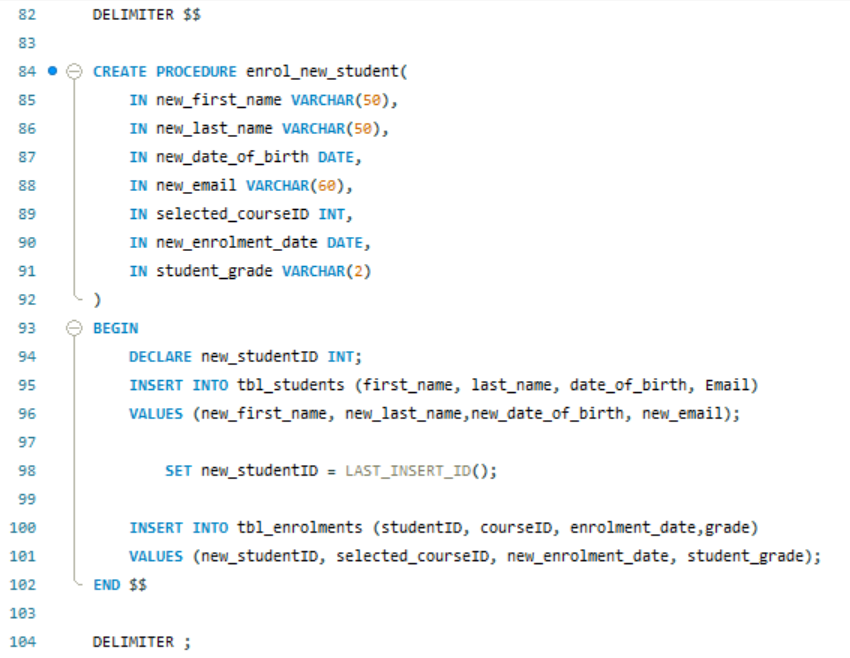


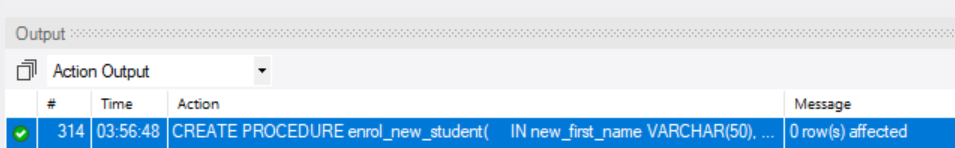
1. **Create views to show students' courses and their grades.**



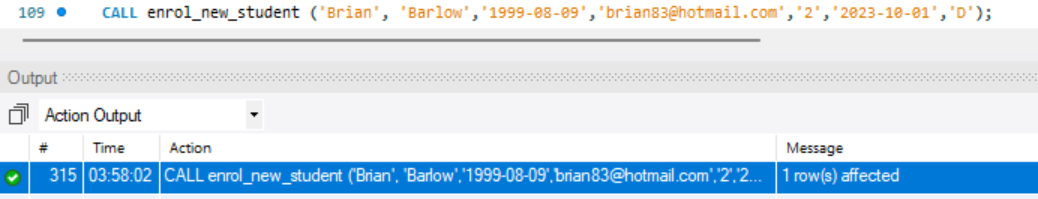


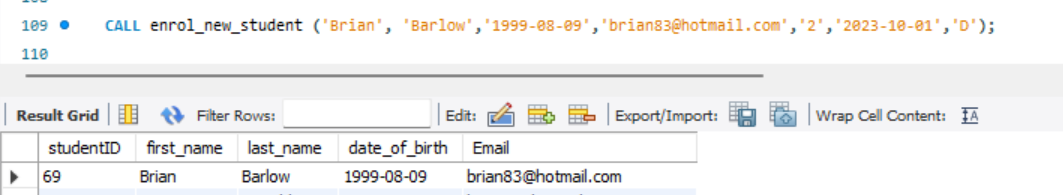
1. **Use stored procedures to enrol a student in a course and handle all related updates.**

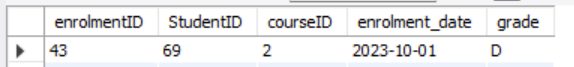




Example of procedure working correctly:







1. **Implement the CASE statement to categorise students based on their grades.**



