



SQL

Model-Answer Approach

[](http://www.hyperiondev.com/portal/)

# Auto-graded task

The solution takes a structured approach to performing SQL database operations. It begins by creating a Student table using the CREATE TABLE command, with STU\_NUM set as the primary key to ensure unique identification of each record. Next, the INSERT INTO command populates the table with student data, laying the groundwork for subsequent operations.

The solution retrieves specific records using a SELECT query that filters students by COURSE\_CODE, demonstrating how to extract targeted information from the database. It then updates individual records with the UPDATE command, such as changing a student's course code based on their STU\_NUM. This step ensures that the database remains accurate and up-to-date.

A DELETE command is used to remove a specific record, illustrating how logical operators can be employed to precisely target data for deletion. Additionally, a more complex update is performed, modifying PROJ\_NUM for students who started before a certain date and are enrolled in specific courses.

Finally, the solution concludes by removing the Student table entirely with the DROP TABLE command.