HyperionDev

SQL

Model-Answer Approach

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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.