

Database Programming with SQL

19-1: Testing

Practice Activities

Objectives

- Develop and apply a strategy for testing that a database functions as designed.

Try It / Solve It

1. Design and carry out tests to check the following:
 - a. The business rule that requires that employees have a `job_id`
 - b. The business rule that requires that the end date of an employment is after a start date in the job history table.
 - c. The business rule that states that departments can be closed down with employees in that department (resulting in the `department_id` becoming unknown).
 - d. The minimum salary of an employee is 1000.
2. If one of the above tests fails, write out the SQL statement(s) that would be needed to correct the test. With the permission of your teacher, implement the change and then rerun the test with the same input and confirm that it works.