1. Changes to data are allowed on tables only during normal office hours of 8:45 a.m. until 5:30

p.m., Monday through Friday.

Create a stored procedure called SECURE\_DML that prevents the DML statement from

executing outside of normal office hours, returning the message, “You may only make

changes during normal office hours.”

2. a. Create a statement trigger on the JOBS table that calls the above procedure.

b. Test the procedure by temporarily modifying the hours in the procedure and attempting to

insert a new record into the JOBS table. (Example: replace 08:45 with 16:45; This attempt

results in an error message)

After testing, reset the procedure hours asspecified in question 1 and recreate the

procedure as in question 1 above.

3. Employees should receive an automatic increase in salary if the minimum salary for a job is

increased. Implement this requirement through a trigger on the JOBS table.

a. Create a stored procedure named UPD\_EMP\_SAL to update the salary amount. This

procedure accepts two parameters: the job ID for which salary has to be updated, and the

new minimum salary for this job ID. This procedure is executed from the trigger on the

JOBS table.

b. Create a row trigger named UPDATE\_EMP\_SALARY on the JOBS table that invokes the

procedure UPD\_EMP\_SAL, when the minimum salary in the JOBS table is updated for a

specified job ID.

c. Query the EMPLOYEES table to see the current salary for employees who are

programmers.



d. Increase the minimum salary for the Programmer job from 4,000 to 5,000.

e. Employee Lorentz (employee ID 107) had a salary of less than 4,500. Verify that her

salary has been increased to the new minimum of 5,000.

