January 2023 CSE216: Database Sessional

Online Assignment on PL/SQL

Subsection: B1

Time: 30 minutes

Question 1   Write a PL/SQL trigger that will fire only when either SALARY or JOB_ID column of the EMPLOYEES table will be updated. You need to track if the new salary is within the interval defined by the MIN_SALARY and MAX_SALARY corresponding to the updated JOB_ID. If the new salary is less than the MIN_SALARY, set the new salary to the MIN_SALARY. If the new salary is greater than the MAX_SALARY, set the new salary to the MAX_SALARY. In addition, if JOB_ID is changed, you have to make sure the MIN_SALARY corresponding to the updated JOB_ID is not less than the MIN_SALARY corresponding to the previous JOB_ID. Otherwise do not let the update take place.

Question 2   Write a PL/SQL trigger that activates when no manager is assigned to an employee during insertion. The trigger outputs to the console "No manager of `"FIRST_NAME_OF_THE_NEW_EMPLOYEE"` has been assigned". Then it assigns the manager of the department of the newly inserted employee to be the manager of the employee.