

Consider the following relations

1. SALARIEDWORKER(WORKERID,NAME,SALARY,TAX,RETIRES (default value is 'N') ADDRESS(WORKERID,STREET,CITY,PIN)

Do the following operations on these tables.

- a) Write a pl/sql program using a cursor which calculates the tax and updates the SALARIEDWORKER under the following conditions

Salary	Tax
0-5000	No tax
<= 8000	5 %
<= 10000	10 %
Above 10000	15 %

- b) Whenever a salaried-worker retires , the details should be recorded in a table PENSION(WORKERID, PENSIONAMOUNT) using a trigger. The pension is calculated as half of the salary.

2. Create table

Students (StudentID, Name, Department)

Grades (StudentID ,CourseID ,Grade)

Courses (CourseID, CourseName)

Write SQL Queries to

- a. List the name of students who have taken all available courses.
- b. Find the average grade for each course. Display the course name and its average grade.
- c. List the names of students who have scored highest grade in "Database Systems".
- d. Find the course that has the highest average grade. Display the course name and its average grade.

2. For the following relation schema:

employee(en_o, employee-name, designation, street, city, Mgrno), works(en_o, company-name, salary), company(company-name, city)

- a. Find the employee name and their salaries who work in companies located in "New York".
- b. Find all employees who earn more than each employee in 'TWIN BIRDS' Company.
- c. Find all employees who live in the same cities as their managers.
- d. Find the employee names who have highest salary within each city. Display city, employee name and their salary.

Question 2 :

Create the following Tables

ADMIS(BRANCH,SID,SNAME,MATHS,PHY,CHEM,TOT)

SEATPOSITION(DNAME,TOTALSEATS,ADMITTED,VACANCY)

Do the following operations

- a. Write a procedure to perform the operations- insert /delete and update admission table.
- b. Write a trigger to implement admission of a college
 1. Close the admission of college after '14-12-2023' .
 2. Update the number of vacancies and no of students admitted in table Seatposition after insertion/updation/deletion in the admis (admission) table accordingly.