

DBMS Lab N Batch on 28.01.2026

1. Consider the following relational schema. An employee can work in more than one department; the *pct_time* of the Works relation shows the percentage of time that a given employee works in a given department.

Emp(*eid*: integer, *ename*: string, *age*: integer, *salary*: real)

Works(*eid*: integer, *did*: integer, *pct_time*: integer)

Dept(*did*: integer, *budget*: real, *managerid*: integer)

- (a) Write triggers to ensure each of the following requirements, considered independently.

(i) Employees must make a minimum salary of \$1,000.

(ii) The age of the employee should not be less than 25 and greater than 60.

2. Consider the following Employee Table for Trigger.

Column Name	Data Type	Size	Description
Empno	NUMBER	4	Employee's Identification Number
Ename	VARCHAR2	30	Employee's Name
Job	VARCHAR2	15	Employee's Designation
Sal	NUMBER	8,2	Employee's Salary
DeptNo	NUMBER	2	Employee's Department id
Commission	NUMBER	7,2	Employee's Commission

- (a) Write a PL/SQL code to display the Empno, Ename and Job of employees of DeptNo 10 with CURSOR FOR LOOP Statement.

- (b) Write a PL/SQL code to increase the salary of employees according to the following conditions:

Salary of DeptNo 10 employees increased by 1000.

Salary of DeptNo 20 employees increased by 500.

Salary of DeptNo 30 employees increased by 800.

Also store the EmpNo, old salary and new salary in a Table TEMP having three columns Empid, Old and New.

- (c) Create a trigger, which verifies that updated salary of employee must be greater than his/her previous salary.

- (d) Write a trigger to insert the existing values of the salary table into a new table when the salary table is updated.