

## **Department Of Information Technology**

### **Indian Institute Of Engineering Science and Technology- Shibpur**

**DBMS LAB**

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### **Assignment 5**

1. Consider the tables Emp(eno, name, sal, dno) and Department(dno, dname). Write PL/SQL code to compute the bonus awarded to each employee and store the information in bonus\_info(eno,bonus, new\_sal) where , new\_sal=sal+ bonus. Bonus is computed as per the following rule:
  - For 'XX' department: 25% of total sal subject to a maximum 4000.
  - For 'YY' department: 15% of total sal subject to a maximum 3000.
  - For 'ZZ' department: 10% of total sal subject to a maximum 5000.
2. Write a trigger on **salesman(sno,name,city,balance)** table. The system must keep the track of records that are being deleted or modified. When a records is deleted or modified, the original record details are stored in **information(sno,balance,operation)** Table.
3. Write a trigger on customer table(cno,name,city,balance). The system should keep the track of the following: to perform operation on balance, if balance is negative then make it zero. But the negative balance is stored as loan amount and loan no. as cno in loan table(loanno,amount).
4. Employee (eno, ename, salary) dnum foreign key  
Dept (dnum, mangno, budge ) mgrno foreign key  
Works(eno.dnum,)  
The system should keep the track of the following: if we increase the salary of an employee, corresponding manager's salary is changed by double so that total salary of all the employees of that department should not exceed budget of the department. Write a trigger for this situation.