

**CHRIST (Deemed to be University)**  
**Department of Computer Science**  
**MSc – Artificial Intelligence and Machine Learning**

**Course:** MAI172 – Advanced Database Technologies

**Exercise No:** LAB Exercise – 6

**Date:** 13-08-2024

**Exercise:** Demonstration of PL/SQL Procedure and Functions.

Perform the following tasks:

Create the table according to your domain and perform the tasks as mentioned below on your data and write triggers also with respect to the operation which is suitable for your domain.

Sample data: ×

**Employee Table:**

E\_Number, E\_name, E\_basic\_pay, E\_HRA (10% of BP), E\_DA (5% of HRA),  
E\_Commission(2.5% of BP), E\_Gross\_Salary (sum of HRA, DA and Commission)

Q1. Write a PL/SQL function to calculate the HRA, DA, Commission and gross salary for a given employee.

Q2. Create a PL/SQL procedure block to update the all the components into the employee table retrieved from the above created function.

Q3. Write a PL/SQL procedure using cursor to update the customer rating in the following schema based on their feedback as detailed below.

**Customer** (Customer\_id, Customer\_name, Customer\_feedback, Customer\_Rating)

Feedback	Rating
Excellent	5
Very Good	4
Good	3
Satisfactory	2
Bad	1
No Feedback	0

**General Instruction:**

1. Create a word document and paste all the answers. File name should be your register number followed by lab No
2. Upload the answer document in Google Classroom on or before the 20/08/2024