03-Feb – 2025	Week: 5	Course Instructor: M.S.Karthika Devi, Asst. Prof (Sr. Gr.), DCSE

Exercises on DML Commands, Aggregate Functions

Note: Use the existing employee relation (Week 4). As a database designer, you can modify your database to satisfy the functional requirements

1. Write a query to display all the information of the employees.

2. Write an SQL query to display the unique designations for the employees.

3. Write a query to find duplicate tuples in the relation

4. Write a query in SQL to list the employees in the ascending order of their salaries.

5. Compute the average, minimum, and maximum salaries of the group of employees

6. Give all employees of a particular department a 10% rise in salary

7. List the No. of employees and Avg salary within each department for each job.

8. Write a query in SQL to list the employees whose salary is more than 3000 after giving 25% increment

9. Write a query in SQL to list the names of the employees, those having six characters to their name

10. Write a query in SQL to list the details of the employees in ascending order to the department_id and descending order to the jobs.

11. Find all employees who earn more than the average salary of all employees

12. Write a query to get the second-highest salary from the Employee table.

13. Write a query to find the age-wise maximum salary from the employee table order by salary ascending.

14. Insert a record in a table that violates referential integrity constraint (foreign key) concerning Department number. Now remove the violation by making necessary insertions in the Department table.

15. Perform a query using the alter command to drop/add a field and a foreign key constraint in the Employee table.