Department of Computer Science and Engineering,
Anna University, Chennai- 600025
CS6106 – Database Management System (R 2018)
Practical
Jan– May 2023
Year/Sem/Batch : II/IV/ N & Q

Exercise: 2	SQL Simple Queries	27– Feb– 2023

Observation (5 Marks)

1. Write the syntax and example for the following operators
   a. Arithmetic
   b. Comparison
   c. Logical
2. Write the syntax and example of the following functions(Excluded in Exercise 5)
   a. Aggregate
   b. Date & Time
   c. String
   d. Numeric

Execution (15 Marks) – Use the updation and Modification as and when required

1. Retrieve number of faculties in each department
2. Retrieve distinct number of faculties in each department
3. Retrieve total salary of faculty group by faculty name and count similar names
4. Retrieve total salary of faculty which is greater than 100000
5. Display name of faculty in descending order
6. Display the details of faculty whose name is "Any Name" and salary is greater than 50000.
7. Retrieve average salary of all faculties
8. How the resulting salaries if every employee working on the "CSE" department is given 10 percent raise.
9. Find the sum of salaries of all faculties of CSE department as well as the maximum salary , the minimum salary and average salary in this department.
10. Retrieve the name of each employee controlled by CSE department(use Exists operator)
11. Retrieve the name of the faculty who born in the year 1990
12. Retrieve the list of faculties whose salary is between 50000 and 100000
13. List the student details except CSE department
14. List the professor details who are in CSE department.
15. List the number of students in CSE department.
16. List the student topper details in CSE department.
17. Update the total mark obtained by each student and store in new column.

18. Sum the course credits of each course by course type.
19. Perform the following
    a. Retrieve the first three characters of student name
    b. Retrieve middle three character of student name.
    c. Retrieve last three characters of student name
    d. Display the faculty name in upper case, lowercase
20. Perform the following
    a. Retrieve the year of birth of each faculty.
    b. List the faculty details who born in the month of April.
    c. Display the details of faculties whose age is between 50 and 60.
    d. List the average age of faculty in CSE department.