



Exercise: 1

SQL Queries

18- Dec- 2025

Observation (5

Marks)

1. Write syntax with example for the following
  - a. String Functions
  - b. Aggregate Functions
  - c. Date and Time Functions
2. Enlist the syntax for pattern matching with all possibilities.
3. Give the syntax and example for the following
  - a. Order by
  - b. Group by

Execution (15 Marks) – Create the Tables appropriately

1. Display the details of the computer science students whose age is greater than 20.
2. Display the id and mark details of the student whose GPA is between 7 and 8.
3. Display the details of course where course type is elective or with credits 3.
4. Display id, first name, last name and department of the student belong to Q batch.
5. Display the department details in chronological order.
6. List the male faculty details in the computer science department
7. Display the salary details of the faculty for a particular month.
8. List the details of the faculty advisor whose name starts with 'a';
9. List the details of student whose name ends with 'a';
10. Display the details of the student who joined in the year 2019.
11. List id, name and phone no of the students who born in the month of April.
12. Display the minimum, maximum marks obtained by the students for any subject.
13. Display the student details advised by the particular faculty advisor.
14. List the average salary of the faculties who belongs to computer science department.
15. List the number of courses offered by the particular department.

### On the Spot Exercise ( 5 marks)

1. Remove the student details who have completed the course.
2. Increment the salary of every faculty by 10 % and rename the same.
3. Create an entity project (p\_id,f\_id,faculty\_name,sid) and insert atleast 5 tuples.
4. List the details of student guided by the particular faculty
5. List the faculty name in the project table whose name contains a character 'n' anywhere.