**Task1: Academic Management System (using SQL)**

Task1 Project Title: Academic Management System (using SQL)

Project Description: Design and develop an Academic Management System using SQL. The projects should Involve three tables 1.Studentinfo 2. Coursesinfo 3.Enrollmentinfo. The Aim is to create a system that allows for managing student information and course enrollment. The project will include the following tasks:

1. Database Creation:

a) Create the Studentinfo table with columns STU\_ID, STU\_NAME, DOB, PHONE\_NO, EMAIL\_ID, ADDRESS. b) Create the Coursesinfo table with columns COURSE\_ID, COURSE\_NAME,COURSE\_INSTRUCTOR NAME. c)Create the Enrollmentinfo with columns ENROLLMENT\_ID, STU\_ID, COURSE\_ID,

ENROLL\_STATUS(Enrolled/Not Enrolled). The FOREIGN KEY constraint in the Enrollmentinfo table references the STU\_ID column in the Studentinfo table and the COURSE\_ID column in the Coursesinfo table.

1. Data Creation:

Insert some sample data for Studentinfo table, Coursesinfo table, Enrollmentinfo with respective fields.

1. Retrieve the Student Information

a) Write a query to retrieve student details, such as student name, contact informations, and Enrollment status. b) Write a query to retrieve a list of courses in which a specific student is enrolled. c) Write a query to retrieve course information, including course name, instructor information. d) Write a query to retrieve course information for a specific course. e) Write a query to retrieve course information for multiple courses. f) Test the queries to ensure accurate retrieval of student information. (execute the queries and verify the results against the expected output.)

1. Reporting and Analytics (Using joining queries)

a) Write a query to retrieve the number of students enrolled in each course b) Write a query to retrieve the list of students enrolled in a specific course c) Write a query to retrieve the count of enrolled students for each instructor. d) Write a query to retrieve the list of students who are enrolled in multiple courses e) Write a query to retrieve the courses that have the highest number of enrolled students(arranging from highest to lowest)