Department of Computer Science & Engineering, RUET

CSE 502, Lab 02

**Problem title: Design database schema and populate the database with appropriate datasets.**

Believe you have got many resources and confident about the SQL and database management system already. Please provide enough efforts for the solution of the following problems.

**Database Schema for a Employee-Pay scenario**

employee(**emp\_id : integer**, emp\_name: string)

department(**dept\_id: integer**,dept\_name: string)

paydetails(**emp\_id : integer**, **dept\_id: integer**, basic: integer, deductions: integer, additions: integer, DOJ: date)

payroll**(emp\_id : integer**, pay\_date: date)

For the above schema, perform the following—

1. **Create the tables with the appropriate constraints, Insert around 10 records in each of the tables**
2. **List the employees working at the GIS department.**
3. **List all the employee names who joined after 1st January 2013**
4. Give a names of the employees whose netsalary>10,000

Your report should contain the followings:

1. Introduction to the problem.
2. Problem statement.
3. Designed database (i.e., relational or Entity relationship model)
4. Submitted query at the Query processor.
5. Results/output
6. Conclusion