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