<u>**Day7- Lab**</u>

(PN: ChatGPT exercise is mandatory)

Database Schema:
Use the same database scheme created in previous lab.

Assignment 1:
Task1: Assume you are managing a database of student records, and you need to retrieve information about students born after June 16, 2009. What will be the sql query for this?

Task2: Assume you have a database containing a "Student" table with information about students, including their first names. You want to retrieve records of students whose first names start with either 'A' or 'J'. To achieve this,what will be your sql query?

Task 3 .Let's consider a scenario where you have a database with a "Student" table that contains information about students, including their first names and email addresses. You want to retrieve records of students whose first name is not 'Alice' and whose email addresses contain the domain '@example.com'. To achieve this, what will be your sql query?

Submission:
Create an SQL script file containing your solutions for all tasks (queries). Name the file **"lab_assignment1.sql"** Provide comments above each query to indicate the query's purpose.

Assignment 2:

Task1: Create a table **Person** with **PersonID** int, **FirstName** varchar(255), **LastName** varchar(255) and **age (**int).
Make PersonID PRIMARY KEY.

Task2: Create a table **Employee** with **emp_id** int, **first_name** varchar(255), **last_name** varchar(255) and **age (**int)
Make emp_id PRIMARY KEY.

Task 3: Insert data to Person table

Task 4: Insert data to Employee table

Task 5: Create Union of two tables

Submission:
Create an SQL script file containing your solutions for the task. Name the file **"lab_assignment2.sql"** Provide comments above the query to indicate the query's purpose.

ChatGPT Exercise

Using ChatGPT generate SQL queries of the below problem .

Scenario 1: In a student grades database with tables for courses and grades, find the courses where the average grade is below a 'C' (consider 'C' as a passing grade).

We have a "Course" table with the following columns:
CourseId,CourseName,CreditHours and
"Grade" table with the following a columns: StudentId(Foreign Key),CourseID(Foreign Key),Grade.
you want to find courses where the average grade is below a "C". Generate the ChatGPT prompt for creating the queries for the above requirement.