

# SQL IP Session - Assignments

## (Integration Engineer)

### Assignment 1: Employee & Department Database

#### Objective

Practice DDL, DML, JOINS, Aggregate Functions, and basic Stored Procedures.

#### Task 1 – Create Tables (DDL)

Create two tables:

- **Employee** (EmpID, EmpName, DeptID, Salary, JoiningDate)
- **Department** (DeptID, DeptName, Location)

#### Task 2 – Insert Sample Data (DML)

Insert at least **10 employee records** and **5 department records**.

#### Task 3 – Queries (DML + JOINS + Aggregates)

1. Retrieve the list of all employees along with their department names.
2. Find the total number of employees in each department.
3. List employees whose salary is greater than 50,000.
4. Find the department having the highest number of employees.
5. Calculate the average salary of employees in each department.

#### Task 4 – Stored Procedure

Create a stored procedure that accepts `DeptID` and returns the list of employees in that department.

#### ->Deliverables

- SQL script for table creation
- Insert statements for sample data
- SQL Queries for tasks above
- Stored Procedure code

**Note:** Share your completed assignment to [kalaiselvia.consultant@tnsif.org](mailto:kalaiselvia.consultant@tnsif.org)