Lab Tasks

Practice of Aggregate functions i.e. Sum, Max, Min, AVG

1. Find the sum of salaries of all employees working in department no. 5
2. Find average of salaries of all employees working in department no. 5
3. Find the Max and min of salaries of all employees working in department no. 5

Practice of having and group by clause

1. For each project on which at least one employee works retrieve the project number, the project name and the total number of employees who work on that project
2. For each project, retrieve the project number, the project name and the employee who has dependents which are female.
3. Count the total number of employees whose salaries exceed $ 20,000 in each department, but only for departments where more than five employees work.

Create Assertions

Users can specify general constraints via declarative constraints using the create assertion statement of the DDL. Each assertion is given a constraint name and is specified via a condition similar to the where clause of an SQL query.

1. Specify the constraint that the salary of an employee must not be greater than the salary of the manager of the development that the employee works for.