

**Using the provided database CompanyDB, execute the following queries:**

**Group 1.**

1.  
*Please indicate who is managing the department named: Research and Development Department.*  
*Required information: code, employee name, department number, department name*
2.  
*For the department with the name: Research and Development Department, which projects are managed by this department currently?*  
*Required information: project number, project name, name of management department*
3.  
*What department is the project named ProjectB currently managed by?*  
*Required information: project number, project name, name of management department*
4.  
*Display information of all employees who are supervised by an employee named Mai Duy An*  
*Required information: employee number, employee's full name*
5.  
*Please show who currently supervises staff named Mai Duy An.*  
*Required information: employee number, and the full name of the supervisor.*
6. Indicates where the project named ProjectA is currently working.  
*Required information: code, name of working position.*
7. *Indicate the working position named: Tp. Ho Chi Minh City is currently the working place of which projects.*  
*Required information: code, project name*
8. *Indicate dependents over 18 years old .T*  
*Information required: name, date of birth of dependent, dependent employee name.*

**Group 2.**

1. Show all male dependents.  
*Required information: dependent's name, date of birth, dependent employee's name*
2. Indicate the workplace of the department named: Research and Development Department.  
*Required information: department code, department name, workplace name.*
3. Indicate working projects in the HCM city.

*Required information: project code, project name, and department name responsible for the project.*

4. Show all female dependents of employees in a department: Research and Development Department.

*Required information: name of the employee, name of dependent, the relationship between dependent and employee*

5. Indicate dependents over the age of 18 who belong to a department named: Research and Development Department.

*Required information: name of employee, name of dependent, relationship between dependent and employee*

6. Indicates the number of dependents by gender.

*Required information: gender, number of dependents*

7. Indicates the number of dependents according to the employee relationship.

*Required information: relationship, number of dependents*

8. Indicate which department has the least number of dependents

*Required information: department code, department name, number of dependents*

9. Indicate which department has the largest number of dependents.

*Required information: department code, department name, number of dependents*

### **Group 3.**

1. Indicate the total number of hours worked on the project by each employee.

*Required information: employee code, employee name, employee department name*

2. Indicate the total number of project hours of each department

*Required information: department code, department name, total hours*

3. Indicate which employee has the least number of hours on the project.

*Required information: employee code, employee name, total number of hours involved in the project*

4. Indicate which employee has the most hours on the project.

*Required information: employee code, employee name, total number of hours involved in the project*

5. Indicate which employees have joined the project for the first time

*Required information: employee code, employee name, employee department name*

6. Indicate which employees have joined the project for the second time.

*Required information: employee code, employee name, employee department name*

7. Indicate which employees are involved in at least two projects

*Required information: employee code, employee name, employee department name*

8. Indicate the number of members of each project.  
*Required information: project code, project name, number of members*

9. Indicate the total number of hours worked on each project  
*Required information: project code, project name, total hours worked*

#### **Group 4.**

1. Indicate which project has the least number of members.  
*Required information: project code, project name, number of members*

2. Indicate which project has the largest number of members.  
*Required information: project code, project name, number of members*

3. Indicate which project has the least total number of hours worked.  
*Required information: project code, project name, total hours worked*

4. Indicate which project has the most total hours worked.  
*Required information: project code, project name, total hours worked*

5. Indicate the number of departments working in each workplace  
*Required information: name of workplace, number of departments*

6. Indicate the number of workplaces by department.  
*Required information: department code, department name, number of workplaces*

7. Indicate which department has the most jobs.  
*Required information: department code, department name, number of workplaces*

8. Indicate which department has the fewest jobs.  
*Required information: department code, department name, number of workplaces*

9. Which location has the most departments?  
*Required information: name of workplace, number of departments*

#### **Group 5.**

1. Which location has the fewest departments?  
*Required information: name of workplace, number of departments*

2. Indicate which employee has the most dependents  
*Required information: employee number, full name, number of dependents*

3. Which employee has the fewest dependents?  
*Required information: employee number, full name, number of dependents*

4. Indicate which employee has no dependents

*Required information: employee number, employee's full name, employee's department name*

5. Indicate which department has no dependents

*Required information: department number, department name*

6. Indicate which employees have never participated in any projects

*Required information: employee number, employee name, employee's department name*

7. Indicates that the department does not have any employees involved in any projects

*Required information: department number, department name*

8. Indicates that the department has no employees involved in a project named ProjectA.

*Required information: department number, department name*

## **Group 6.**

1. Indicate the number of projects managed by each department

*Required information: department code, department name, project number*

2. Which department manages the fewest projects?

*Required information: department code, department name, project number*

3. Which department manages the most projects?

*Required information: department code, department name, project number*

4. Indicate which departments with more than 5 employees are managing the project

*Required information: department code, department name, number of departmental employees, name of project management*

5. Indicate the employees who belong to the department named Research Department, and have no dependents.

*Required information: employee code, employee name*

6. Indicate the total number of hours worked by employees, who have no dependents

*Required information: employee code, employee's full name, total working hours*

7. Indicate the total number of hours worked by employees who have more than 3 dependents.

*Required information: employee code, employee's full name, number of dependents, total working hours*

8. Indicate the total working hours of employees currently under the supervision (managed by) of employee Mai Duy An

*Required information: employee code, employee's full name, total working hours*