**Questions and answers:**

1. Write a query to retrieve the names of employees who are assigned to more than one project, including the total number of projects for each employee.

**SELECT employee\_id, COUNT(project) AS Count**

**FROM employee**

**GROUP BY employee\_id**

**HAVING COUNT(project) > 1;**

1. Write a query to retrieve the list of projects managed by each department, including the department label and manager’s name.

**SELECT d.department\_number, p.project\_name, d.manager\_name**

**FROM department d**

**JOIN projects p ON d.department\_number = p.department\_num;**

1. Write a query to retrieve the names of employees working on the project "Website Redesign," including their roles in the project.

**SELECT e.employee\_id, e.employee\_name, p.project\_name, p.project\_roles**

**FROM employee e**

**JOIN projects p ON e.project\_id = p.project\_id**

**WHERE p.project\_name = 'Website Redesign';**

1. Write a query to retrieve the department with the highest number of employees, including the department label, manager name, and the total number of employees.

**SELECT department\_id, manager\_name, total\_number\_of\_employees**

**FROM employee**

**WHERE total\_number\_of\_employees = (**

**SELECT MAX(total\_number\_of\_employees)**

**FROM employee);**

1. Write a query to retrieve the names and positions of employees earning a salary greater than 60,000, including their department names.

**SELECT e.names, e.position, e.department\_name**

**FROM employee AS e**

**WHERE e.salary > 5000;**

1. Write a query to retrieve the number of employees assigned to each project, including the project title.

**SELECT project, project\_title, COUNT (\*)**

**FROM employee**

**GROUP BY project;**

Another ans:

**SELECT project,**

**MAX (project\_title) AS project\_title, COUNT (\*)**

**FROM employee**

**GROUP BY project;**

1. Write a query to retrieve a summary of roles employees have across different projects, including the employee name, project title, and role.

**SELECT e.employee\_name, p.project\_title, p.employee\_role**

**FROM employee e**

**JOIN project p ON e.employee\_id = p.employee\_id**

**GROUP BY e.employee\_name, p.project\_title, p.employee\_role**

**HAVING COUNT(e.employee\_name) > 1**

**ORDER BY p.project\_title;**

1. Write a query to retrieve the total salary expenditure for each department, including the department label and manager name.

**SELECT department\_id, SUM (salary)**

**FROM employees**

**GROUP BY department\_id;**