**1.SELECT department\_id, SUM(salary) AS total\_salary**

**FROM employees**

**GROUP BY department\_id;**

**2.SELECT job\_id, AVG(salary) AS average\_salary**

**FROM employees**

**GROUP BY job\_id**

**HAVING AVG(salary) > 8000;**

**3.SELECT SUM(salary) AS total\_manager\_salary**

**FROM employees**

**WHERE job\_id LIKE '%MGR%';**

**4.SELECT l.location\_id, SUM(e.salary) AS total\_salary**

**FROM employees e**

**JOIN departments d ON e.department\_id = d.department\_id**

**JOIN locations l ON d.location\_id = l.location\_id**

**GROUP BY l.location\_id;**

**5.SELECT department\_id, job\_id, salary**

**FROM employees e1**

**WHERE salary = (SELECT MAX(salary)**

**FROM employees e2**

**WHERE e1.department\_id = e2.department\_id);**

**6.SELECT location\_id, COUNT(department\_id) AS num\_departments**

**FROM departments**

**GROUP BY location\_id;**

**7.SELECT department\_id,**

**MIN(hire\_date) AS earliest\_hire,**

**MAX(hire\_date) AS latest\_hire**

**FROM employees**

**GROUP BY department\_id;**

**8.SELECT department\_id, COUNT(DISTINCT job\_id) AS total\_jobs**

**FROM employees**

**GROUP BY department\_id**

**HAVING COUNT(DISTINCT job\_id) > 5;**

**9.SELECT**

**CASE**

**WHEN salary > 10000 THEN 'High'**

**WHEN salary BETWEEN 5000 AND 10000 THEN 'Medium'**

**ELSE 'Low'**

**END AS salary\_level,**

**COUNT(\*) AS num\_employees**

**FROM employees**

**GROUP BY salary\_level;**

**10.SELECT l.location\_id, AVG(e.salary) AS average\_salary**

**FROM employees e**

**JOIN departments d ON e.department\_id = d.department\_id**

**JOIN locations l ON d.location\_id = l.location\_id**

**GROUP BY l.location\_id**

**HAVING AVG(e.salary) > 7000;**