**Lab 3**

**SQL query based on Aggregated Functions**

1. Display departments in which more than five employees have commission percentage

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| QUERY | SELECT department\_id  FROM employees  WHERE commission\_pct IS NOT NULL  GROUP BY department\_id  HAVING COUNT(employee\_id) > 5; |
| OUTPUT |  |

1. Display job ID, number of employees, sum of salary, and difference between highest salary and lowest salary of the employees of the job

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| QUERY | SELECT job\_id, COUNT(employee\_id) AS no\_of\_employee ,MIN(salary) AS min\_salary,MAX(salary) AS max\_salary,SUM(salary)AS total\_salary , MAX(salary) - MIN(salary) AS difference  FROM employees  GROUP BY job\_id |
| OUTPUT |  |

1. Display the details of departments in which the max salary is greater than 10000 for employees who did a job in the past.

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| QUERY | d.\*  FROM  departments d  JOIN  employees e ON d.department\_id = e.department\_id  JOIN  job\_history jh ON e.employee\_id = jh.employee\_id  WHERE  jh.end\_date IS NOT NULL AND e.salary > 10000; |
| OUTPUT |  |

1. Display details of manager who manages more than 5 employees.

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| --- | --- |
| QUERY | SELECT manager\_id, COUNT(employee\_id) AS employee\_count  FROM employees  WHERE manager\_id IS NOT NULL  GROUP BY manager\_id  HAVING COUNT(employee\_id) > 5; |
| OUTPUT |  |