**Lab - 1**

**SQL query based on Restricting and Sorting Data**

1. Write a query in SQL to display the full name (first and last name), and salary for those employees who earn below 6000.

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| QUERY | SELECT first\_name, last\_name, salary  FROM employees  WHERE salary < 6000; |
| OUTPUT |  |

1. Write a query in SQL to display the first and last\_name, department number and salary for those employees who earn more than 8000.

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| QUERY | SELECT first\_name, last\_name, salary, department\_id  FROM employees  WHERE salary > 8000; |
| OUTPUT |  |

1. Write a query in SQL to display the first and last name, and department number for all employees whose last name is “McEwen”.

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| QUERY | SELECT first\_name, last\_name, salary, department\_id  FROM employees  WHERE last\_name = 'McEwen'; |
|  | |

1. Write a query in SQL to display all the information for all employees without any department number.

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| QUERY | SELECT first\_name, last\_name, salary, department\_id  FROM employees  WHERE department\_id IS NULL; |
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1. Write a query in SQL to display all the information about the department Marketing.

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| QUERY | SELECT \*  FROM departments  WHERE department\_name = 'Marketing'; |
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1. Write a query in SQL to display the full name (first and last), hire date, salary, and department number for those employees whose first name does not containing the letter M and make the result set in ascending order by department number.

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| QUERY | SELECT first\_name, last\_name, salary, hire\_date, department\_id  FROM employees  WHERE first\_name NOT LIKE'%M%'  ORDER BY department\_id |
| OUTPUT |  |

1. Write a query in SQL to display all the information of employees whose salary is in the range of 8000 and 12000 and commission is not null or department number is except the number 40, 120 and 70 and they have been hired before June 5th, 1987.

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| QUERY | SELECT \*  FROM employees  WHERE salary BETWEEN 8000 AND 12000  AND (commission\_pct IS NOT NULL OR department\_id NOT IN (40,70,120))  AND hire\_date < '05-jun-87'; |
| OUTPUT |  |

1. Write a query in SQL to display the full name (first and last name), and salary for all employees who does not earn any commission.

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| QUERY | SELECT first\_name, last\_name, salary  FROM employees  WHERE commission\_pct is NULL; |
| OUTPUT |  |

1. Write a query in SQL to display the full name (first and last), the phone number and email separated by hyphen, and salary, for those employees whose salary is within the range of 9000 and 17000. The column headings assign with Full\_Name, Contact\_Details and Remuneration respectively.

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| --- | --- |
| QUERY | SELECT first\_name ||' '||last\_name AS full\_name, phone\_number ||'-'||email AS contact\_details, salary AS remuneration  FROM employees  WHERE salary BETWEEN 9000 AND 17000; |
| OUTPUT | A screenshot of a computer  Description automatically generated | |

1. Write a query in SQL to display the first and last name, and salary for those employees whose first name is ending with the letter m.

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| --- | --- |
| QUERY | SELECT first\_name, last\_name  FROM employees  WHERE first\_name LIKE '%m'; |
| OUTPUT |  |