**Lab - 4**

**SQL query based on Joins I**

1. Write a query in SQL to display the first name, last name, department number, and department name for each employee.

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| QUERY | SELECT first\_name, last\_name, department\_id, department\_name  FROM employees  NATURAL JOIN departments |
| OUTPUT |  |

1. Write a query in SQL to display the first and last name, department, city, and state province for each employee.

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| QUERY | SELECT first\_name, last\_name, department\_name AS department, city, state\_province  FROM employees  NATURAL JOIN departments  NATURAL JOIN locations |
| OUTPUT |  |

1. Write a query in SQL to display the first name, last name, salary, and job grade for all employees.

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| QUERY | SELECT first\_name, last\_name, salary, job\_title AS grade  FROM employees e  NATURAL JOIN jobs |
| OUTPUT |  |

1. Write a query in SQL to display the first name, last name, department number and department name, for all employees for departments 80 or 40.

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| QUERY | SELECT first\_name, last\_name, e.department\_id, department\_name  FROM employees e  JOIN departments d  ON e.department\_id = d.department\_id  AND e.department\_id IN (40, 80); |
| OUTPUT |  |

1. Write a query in SQL to display those employees who contain a letter z to their first name and also display their last name, department, city, and state province.

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| QUERY | SELECT first\_name, last\_name, department\_name AS department, city, state\_province  FROM employees e  JOIN departments d  ON e.department\_id = d.department\_id AND e.first\_name LIKE '%z%'  JOIN locations l  ON d.location\_id = l.location\_id |
| OUTPUT |  |