**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 e.first\_name, e.last\_name, e.department\_id, d.department\_name  FROM employees e JOIN departments d  ON e.department\_id = d.department\_id; |
| 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 e.first\_name,e.last\_name,d.department\_name AS department,l.city,l.state\_province  FROM employees e  JOIN departments d ON e.department\_id = d.department\_id  JOIN locations l ON d.location\_id = l.location\_id; |
| OUTPUT |  |
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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  e.first\_name,  e.last\_name,  e.department\_id,  d.department\_name  FROM  employees e  JOIN  departments d ON e.department\_id = d.department\_id  WHERE  d.department\_id IN (40, 80); |
| OUTPUT |  |
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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 | SSELECT e.first\_name,e.last\_name,d.department\_name AS department,l.city,l.state\_province  FROM employees e  JOIN departments d ON e.department\_id = d.department\_id  JOIN locations l ON d.location\_id = l.location\_id  WHERE e.first\_name LIKE '%z%'; |
| OUTPUT |  |
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