**Lab - 6**

**SQL query based on Subqueries**

1. Write a query to display the name (first name and last name) for those employees who gets more salary than the employee whose ID is 163.

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| QUERY | SELECT first\_name, last\_name  FROM employees  WHERE salary > (SELECT salary  FROM employees  WHERE employee\_id =163) |
| OUTPUT |  |

1. Write a query to display the name (first name and last name), salary, department id, job id for those employees who works in the same designation as the employee works whose id is 169.

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| QUERY | SELECT first\_name, last\_name, salary, department\_id, job\_id  FROM employees  WHERE job\_id = (  SELECT job\_id  FROM employees  WHERE employee\_id =169) |
| OUTPUT |  |

1. Write a query to display the name (first name and last name), salary, department id for those employees who earn such amount of salary which is the smallest salary of any of the departments

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| QUERY | SELECT first\_name, last\_name, salary, department\_id  FROM employees  WHERE salary IN (SELECT MIN(salary)  FROM employees  GROUP BY department\_id) |
| OUTPUT |  |

1. Write a query to display the employee id, employee name (first name and last name) for all employees who earn more than the average salary.

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| QUERY | SELECT employee\_id, first\_name, last\_name  FROM employees  WHERE salary > (SELECT AVG(NVL(salary,0))  FROM employees) |
| OUTPUT |  |

1. Write a query to display the employee’s name (first name and last name), employee id and salary of all employees who report to Payam.

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| --- | --- |
| QUERY | SELECT employee\_id, first\_name, last\_name, salary  FROM employees  WHERE manager\_id = (SELECT employee\_id  FROM employees  WHERE first\_name ='Payam') |
| OUTPUT |  |

1. Write a query to display the department number, name (first name and last name), job and department name for all employees in the Finance department

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| QUERY | SELECT employee\_id, first\_name, last\_name, department\_name  FROM employees e  JOIN departments d  ON e.department\_id = d.department\_id  AND e.department\_id = (SELECT department\_id  FROM departments  WHERE department\_name = 'Finance') |
| OUTPUT |  |

1. Write a query to display all the information of an employee whose salary and reporting person id is 3000 and 121 respectively

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| QUERY | SELECT \*  FROM employees  WHERE manager\_id = 121 AND salary = 3000 |
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1. Display all the information of an employee whose id is any of the number 134, 159 and 183.

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| QUERY | SELECT \*  FROM employees  WHERE employee\_id IN (134, 159, 183) |
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1. Write a query to display all the information of the employees whose salary is within the range 1000 and 3000.

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| QUERY | SELECT \*  FROM employees  WHERE salary BETWEEN 1000 AND 3000 |
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1. Write a query to display all the information of the employees whose salary is within the range of smallest salary and 2500.

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| --- | --- |
| QUERY | SELECT \*  FROM employees  WHERE salary BETWEEN (SELECT MIN(salary)  FROM employees)  AND 2500 |
|  | |