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**Assignment**

**Assignment No. – 06**

**Submission date- 13 April, 2022**

**Course Title- DBMS (Lab)**

**Course Code: CSE-2424**

Submited to-

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1. **The HR department needs a query that prompts the user for an employee last name. The query then displays the last name and hire date of any employee in the same department as the employee whose name they supply (excluding that employee). For example, if the user enters Zlotkey, find all employees who work with Zlotkey (excluding Zlotkey).**

UNDEFINE Enter\_name

SELECT last\_name, hire\_date

FROM employees

WHERE department\_id = (SELECT department\_id

FROM employees

WHERE last\_name = 'Zlotkey')

AND last\_name <> 'Zlotkey';

|  |  |  |
| --- | --- | --- |
| **LAST\_NAME** | **HIRE\_DATE** | |
| Russell | 01-OCT-96 | |
| Abel | 11-MAY-96 | |
| Hutton | 19-MAR-97 | |
| Taylor | 24-MAR-98 | |
| 33 rows returned | |

1. **Create a report that displays the employee number, last name, and salary of all employees who earn more than the average salary. Sort the results in order of ascending salary.**

SELECT employee\_id, last\_name, salary

FROM employees

WHERE salary > (SELECT AVG(salary)

FROM employees)

ORDER BY salary;

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** | **SALARY** |
| 123 | Vollman | 6500 |
| 203 | Mavris | 6500 |
| 165 | Lee | 6800 |
| 113 | Popp | 6900 |
| 155 | Tuvault | 7000 |

51 rows returned

1. **Write a query that displays the employee number and last name of all employees who work in a department with any employee whose last name contains a u. Place your SQL statement in a text file named lab\_06\_03.sql. Run your query.**

SELECT employee\_id, last\_name

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM employees

WHERE last\_name like '%u%');

|  |  |
| --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** |
| 107 | Lorentz |
| 106 | Pataballa |
| 105 | Austin |
| 104 | Ernst |
| 103 | Hunold |
| 119 | Colmenares |

90 rows returned

1. **The HR department needs a report that displays the last name, department number, and job ID of all employees whose department location ID is 1700.**

SELECT last\_name, department\_id, job\_id

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM departments

WHERE location\_id = 1700);

|  |  |  |
| --- | --- | --- |
| **LAST\_NAME** | **DEPARTMENT\_ID** | **JOB\_ID** |
| King | 90 | AD\_PRES |
| Kochhar | 90 | AD\_VP |
| De Haan | 90 | AD\_VP |
| Greenberg | 100 | FI\_MGR |
| Faviet | 100 | FI\_ACCOUNT |

18 rows returned

**Modify the query so that the user is prompted for a location ID. Save this to a file named lab\_06\_04.sql.**

SELECT last\_name, department\_id, job\_id

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM departments

WHERE location\_id = :Enter\_location);

**>>>> Input: 1800**

|  |  |  |
| --- | --- | --- |
| **LAST\_NAME** | **DEPARTMENT\_ID** | **JOB\_ID** |
| Hartstein | 20 | MK\_MAN |
| Fay | 20 | MK\_REP |
| 2 rows returned |

1. **Create a report for HR that displays the last name and salary of every employee who reports to King.**

SELECT last\_name, salary

FROM employees

WHERE manager\_id = (SELECT employee\_id

FROM employees

WHERE last\_name = 'King');

1. **Create a report for HR that displays the department number, last name, and job ID for every employee in the Executive department.**

SELECT department\_id, last\_name, job\_id

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM departments

WHERE department\_name = 'Executive');

|  |  |  |
| --- | --- | --- |
| **DEPARTMENT\_ID** | **LAST\_NAME** | **JOB\_ID** |
| 90 | King | AD\_PRES |
| 90 | Kochhar | AD\_VP |
| 90 | De Haan | AD\_VP |
| 3 rows returned |

1. **Modify the query in lab\_06\_03.sql to display the employee number, last name, and salary of all employees who earn more than the average salary and who work in a department with any employee whose last name contains a u.Resave lab\_06\_03.sql to lab\_06\_07.sql. Run the statement in lab\_06\_07.sql.**

SELECT employee\_id, last\_name, salary

FROM employees

WHERE department\_id IN (SELECT department\_id

FROM employees

WHERE last\_name like '%u%')

AND salary > (SELECT AVG(salary)

FROM employees);

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** | **SALARY** |
| 103 | Hunold | 9000 |
| 114 | Raphaely | 11000 |
| 123 | Vollman | 6500 |
| 122 | Kaufling | 7900 |
| 121 | Fripp | 8200 |

36 rows returned

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