PRACTICAL – 05 SUBQURIES

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**Aim :** To implement sub queries.

# Problem Definition

Create tables:

EMPLOYEE

EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER |

HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID |

DEPARTMENT\_ID

DEPARTMENT

DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

LOCATION

LOCATION\_ID | STREET\_ADDRESS | POSTAL\_CODE | CITY

| STATE\_PROVINCE | COUNTRY\_ID |

CONTRIES

COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

1. Write a SQL query to find those employees who get higher salary than the employee

whose ID is 163. Return first name, last name.

2. Write a SQL query to find those employees whose designation is the same as the

employee whose ID is 169. Return first name, last name, department ID and job ID.

3. Write a SQL query to find those employees whose salary matches the smallest salary of

any of the departments. Return first name, last name and department ID.

4. Write a SQL query to find those employees who earn more than the average salary.

Return employee ID, first name, last name.

5. Write a SQL query to find those employees who report to the manager whose first name is

‘Payam’. Return first name, last name, employee ID and salary.

6a. write a SQL query to find all those employees who work in the Finance department.

Return department ID, name (first name), job ID .

6b. write a SQL query to find all those employees who work in the Finance department.

Return department ID, name (first name), job ID,dept name . (use join)

7. write a SQL query to find those employees whose ID matches any of the number 134,

159 and 183. Return all the fields.

8. write a SQL query to find those employees whose salary is in the range of smallest

salary, and 2500. Return all the fields.

9. write a SQL query to find those employees who do not work in those departments

where manager ids are in the range 100, 200 (Begin and end values are included.) Return

all the fields of the employees.

10. write a SQL query to find those employees who get second-highest salary. Return all the

fields of the employees.

11. write a SQL query to find those employees whose department located at city &#39;Toronto&#39;.

Return first name, last name, employee ID, job ID.

12. write a SQL query to find all those departments where at least one or more employees

work. Return department name.

13. write a SQL query to find those employees who work in departments located at &#39;United

Kingdom&#39;. Return first name.

14. write a SQL query to find those employees who work under a manager based in ‘US’.

Return first name, last name.

15. write a SQL query to find those employees who are managers. Return all the fields.

16. write a SQL query to find those departments managed by &#39;Susan&#39;. Return all the fields of

departments.

17.write a SQL query to find those managers who supervise four or more employees. Return

manager name, department ID.

18. write a SQL query to find those departments where starting salary is at least 8000. Return all the

fields of departments.