PART 1:

Task1) Write a query to display the name (first name and last name ) for those employee who gets more salary than the employee whose ID is 163

select first\_name, last\_name

from employees where salary > (select salary

from employees where employee\_id = 163);

Task2) Write a query to display the name ( first name and last name ), salary, department id, job id for those employees who works in same designation as the employee works whose id is 169.

select first\_name, last\_name, salary, department\_id, job\_id

from employees where job\_id = (select job\_id

from employees where employee\_id = 169);

Task4) 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.

select employee\_id, first\_name, last\_name

from employees where salary > (select avg(salary)

from employees);

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PART 2:

Task7) Write a query to display all the information of an employee whose salary and reporting person id is 3000 and 121 respectively.

select \*

from employees where salary = 3000 and manager\_id = 121;

Task 8) Display all the information of an employee whose id is any of the number 134, 159 and 183.

select \*

from employees where employee\_id in(134, 159, 183);

Task9)  Write a query to display all the information of the employees whose salary is within the range 1000 and 3000.

select \*

from employees where salary between 1000 and 3000;

Task 10) Write a query to display all the information of the employees whose salary if within the range of smallest salary and 2500.

select \*

from employees where salary between (select min(salary) from employees) and 2500;

Task 11) Write a query to display all the information of the employees who does not works in those departments where some employees works whose id within the range 100 and 200.

select \*

from employees where department\_id in(select department\_id from employees where employee\_id not between 100 and 200);

Task 12) Write a query to display all the information for those employees whose id is any id who earn second highest salary.

select employee\_id

from employees where salary = (select min(salary)

from employees where rownum <= 2);

Task 13) Write a query to display the employee name (first name and last name ) and hiredate for all employees in the same department as Clara. Exclude Clara.

select first\_name, last\_name, hire\_date

from employees where department\_id = (select department\_id from employees where first\_name = 'Clara') and first\_name != 'Clara';

Task 15) Write a query to display the employee number, name( first name and last name ), and salary for all employees who earn more than the average salary and who work in a department with any employee with a J in their name.

select employee\_id, first\_name, last\_name

from employees where salary > (select avg(salary) from employees) and department\_id in (select department\_id from employees where first\_name like '%J%')

Task 17) Write a query to display the employee number, name( first name and last name ) and job title for all employees whose salary is smaller than any salary of those employees whose job title is MK\_MAN.

select employee\_id, first\_name, last\_name, job\_id

from employees where salary < any(select salary from employees where job\_id = 'MK\_MAN');

Task18) Write a query to display the employee number, name( first name and last name ) and job title for all employees whose salary is smaller than any salary of those employees whose job title is MK\_MAN. Exclude Job title MK\_MAN.

select employee\_id, first\_name, last\_name, job\_id

from employees where salary < any(select salary from employees where job\_id = 'MK\_MAN') and job\_id != 'MK\_MAN';

Part 3:

Task 26) Write a subquery that return a set of rows to find all departments that do actually have one

or more employees assigned to them.

select department\_name, department\_id

from departments where department\_id in(select distinct department\_id

from employees);

Task 28) Write a query to identify all the employees who earn more than the average and who work in any of the IT departments.

select \*

from employees where salary > (select avg(salary)

from employees) and department\_id in (select department\_id

from departments where department\_name like '%IT%');

Task 29) Write a query to determine who earns more than Mr. Ozer.

select \*

from employees where salary > (select salary from employees

where last\_name = 'Ozer');

Task 31) Write a query which is looking for the names of all employees whose salary is greater than

50% of their department’s total salary bill.

select emp1.first\_name, emp1.last\_name

from employees emp1 where salary > (select sum(salary)\*0.5

from employees emp2 where emp1.department\_id = emp2.department\_id);

Task 32) Write a query to get the details of employees who are managers.

select \*

from employees where employee\_id in (select manager\_id

from departments);