## Assignments CW

1. Write a query to find the names (first\_name, last\_name) of the employees who are managers.

select e1.first\_name,e1.last\_name from employees e1 where exists (select e2.manager\_id from employees e2 where e2.manager\_id=e1.employee\_id);

1. Write a query to find the names (first\_name, last\_name) and the salaries of the employees who have a higher salary than the employee whose last\_name='Bull'.

select first\_name,last\_name,salary from employees where salary>(select salary from employees where last\_name like 'Bull') order by salary;

1. Write a query to find the 5th maximum salary in the employees table.

select distinct e1.salary from employees e1 where 5= (select count(distinct salary) from employees e2 where e2.salary>=e1.salary);

1. Write a query to find the names (first\_name, last\_name) of the employees who have a manager and work for a department based in the United States. Hint : Write single-row and multiple-row subqueries
2. Write a query to fetch even numbered records from employees table.

select \* from employees where mod(employee\_id,2) =0;

1. Write a query to find the 4th minimum salary in the employees table.

select distinct e1.salary from employees e1 where 4= (select count(distinct salary) from employees e2 where e2.salary<=e1.salary);

1. Write a query to get nth max salaries of employees.
2. select distinct e1.salary from employees e1 where n-1= (select count(distinct salary) from employees e2 where e2.salary>e1.salary);

## Assignments HW

1. Write a query to find the names (first\_name, last\_name) of all employees who works in the IT department.

select first\_name,last\_name from employees where department\_id=(select department\_id from departments where department\_name like 'IT');

1. Write a query to find the names (first\_name, last\_name), the salary of the employees whose salary is greater than the average salary.

select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees);

1. Write a query to find the names (first\_name, last\_name), the salary of the employees whose salary is equal to the minimum salary for their job grade.

select first\_name,last\_name ,salary from employees e where e.salary=(select min\_salary from jobs j where e.job\_id=j.job\_id);

1. Write a query to find the names (first\_name, last\_name), the salary of the employees who earn more than the average salary and who works in any of the IT departments.

select first\_name,last\_name,salary,department\_id from employees where salary >(select avg(salary) from employees) and department\_id in(select department\_id from departments where department\_name in('IT','IT Helpdesk','IT Support'));

1. Write a query to find the names (first\_name, last\_name), the salary of the employees who earn more than Mr. Bull.

select first\_name,last\_name,salary from employees where salary> (select salary from employees where last\_name like'Bull');

1. Write a query to get 3 minimum salaries.
2. Write a query to get nth min salaries of employees.

## Assignments Additional

1. Write a query to find the names (first\_name, last\_name), the salary of the employees who earn the same salary as the minimum salary for all departments.

select \* from employees where salary in(select min(salary) from employees) ;

1. Write a query to find the names (first\_name, last\_name), the salary of the employees whose salary greater than the average salary of all departments.
2. Write a query to find the names (first\_name, last\_name) and salary of the employees who earn a salary that is higher than the salary of all the Shipping Clerk (JOB\_ID = 'SH\_CLERK'). Sort the results of the salary of the lowest to highest.
3. Write a query to find the names (first\_name, last\_name) of the employees who are not supervisors.
4. Write a query to display the employee ID, first name, last names, and department names of all employees.
5. Write a query to display the employee ID, first name, last names, salary of all employees whose salary is above average for their departments.
6. Write a query to select last 10 records from a table.
7. Write a query to list department number, name for all the departments in which there are no employees in the department.
8. Write a query to get 3 maximum salaries.