**Assignment-DBT**

March22/ DBT/ 001

Database Technologies

Diploma in Advance Computing

March 2022

Solve the following queries using EMP, DEPT, and BONUS tables:

1. Write a query to display the name (first name, last name) for those employees who gets more salary than the employee whose ID is 7788.

* select first\_name,last\_name,salary from employees where salary > (select salary from employees where employee\_id=103);

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1. Write a query to display the name (first name, last name), salary, deptno, job for those employees who works in the same designation as the employee works whose id is 7566.

* select first\_name,last\_name,salary,DEPARTMENT\_ID,job\_id from employees where job\_id = (select job\_id from employees where employee\_id=200);

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1. Write a SQL query to calculate the average sal of all the employee.

* select avg(salary) from employees;

1. Write a query in SQL to find the sum of all employee salary.

* select sum(salary) from employees;

1. Write a query in SQL to display the first name, last name, department number, and department name for each employee.

* select first\_name,last\_name,salary,employees.department\_id,department\_name from employees,departments where employees.department\_id=departments.department\_id;
* select first\_name,last\_name,salary,employees.department\_id,department\_name from employees inner join departments using(department\_id);

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1. Write a query in SQL to display the first and last name, department, city, and state province for each employee.

* select first\_name,last\_name,department\_name,CITY, STATE\_PROVINCE from employees inner join departments inner join locations where employees.department\_id=departments.department\_id and departments.location\_id=locations.location\_id;

1. Write a query in SQL to display the first name, last name, salary, and job grade for all employees.

* select first\_name,last\_name,salary,job\_id from employees;

1. Write a query in SQL to display the first name, last name, department number and department name, for all employees for departments 20 or 40.

* select first\_name,last\_name,employees.department\_id,department\_name from employees inner join departments where employees.department\_id=departments.department\_id and( employees.department\_id =20 or employees.department\_id =40);

1. Write a query in SQL to display those employees who contain a letter z to their first name and also display their last name, department, city, and state province.

* select first\_name,last\_name,department\_name,city,state\_province from employees inner join locations inner join departments where employees.department\_id=departments.department\_id and locations.location\_id=departments.location\_id and first\_name like '%z%';

1. Write a query in SQL to display all departments including those where does not have any employee.

(not solved)

select departments.\* , employee\_id from employees inner join departments where departments.department\_id=employees.department\_id and employee\_id=null;

1. Write a query in SQL to display the first and last name and salary for those employees who earn less than the employee earn whose number is 7499.

* Select first\_name,last\_name,salary from employees where salary<(select salary from employees where employee\_id=110);

1. Write a query in SQL to display the first name of all employees including the first name of their manager.

* select employees.first\_name, mgr.first\_name from employees join(select \* from employees) mgr where employees.manager\_id=mgr.employee\_id;

1. Write a query in SQL to display the department name, city, and state province for each department.

* select department\_name,city,state\_province from departments inner join locations where departments.location\_id=locations.location\_id;

1. Write a query in SQL to display the first name, last name, and department number for those employees who works in the same department as the employee who holds the last name as Michael`.

* select first\_name,last\_name,department\_id from employees where department\_id=(select department\_id from employees where last\_name='fay');