**Assignment-DBT**

March22/ DBT/ 001

Database Technologies

Diploma in Advance Computing

March 2022

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

* 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 ename from emp where sal>(select sal from emp where empno=7788);

* 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 ename,sal,deptno,job from emp where job=(select job from emp where empno=7566);

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

select round(avg(sal),2) as avg from emp;

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

select round(sum(sal),2) as avg from emp;

* 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,department\_name,department\_id from employees inner join departments using(department\_id);

* 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 join locations on employees.department\_id=departments.department\_id and departments.location\_id=locations.location\_id;

* 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,jobs.job\_id from employees inner join jobs on employees.job\_id=jobs.job\_id;

* 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,salary,departments.department\_id,department\_name from employees inner join departments on employees.department\_id=departments.department\_id where employees.department\_id in (20,40);

* 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 join departments on employees.department\_id=departments.department\_id and departments.location\_id=locations.location\_id where first\_name like '%z%';

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

select \* from departments left join employees on departments.department\_id=employees.department\_id;

* 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=7499) order by salary desc;

* 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 on employees.manager\_id=mgr.employee\_id;

* 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 on departments.location\_id=locations.location\_id;

* 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='Michael');