RDBMS - Assignment 1

1. **List last_name,first_name ,salary ,salary+300 as Incremented_Salary from Employees**

   - SQL> select last_name,first_name ,salary ,salary+300 as Incremented_Salary from employees;
     107 rows selected.

2. **List first_name, salary,(salary+(commission_pct*salary))*12 as Annual_Salary from Employees**

   - SQL> select first_name, salary, (salary+(commission_pct*salary))*12 as Annual_Salary from employees;
     107 rows selected.

3. **List all Employees who are not assigned a manager**

   - SQL> select employee_id,first_name, last_name,job_id from employees where manager_id is null;
     1 row selected.

4. **Extract first 3 characters of first_name concatenated with first 3 characters of last_name as Emp_full_name**

   - SQL> select first_name,last_name,concat(substr(first_name,1,3),substr(last_name,1,3)) as Emp_full_name from employees;
     107 rows selected.

5. **Extract the last 4 digits of phone number, left pad with '*' so that the total length is 10 characters long**

   - SQL> select employee_id,phone_number , lpad(substr(phone_number,-4),10,'*')as phone_no from employees;
     107 rows selected.

6. **For every Employee find out the date of confirmation with is 1 year /12 months from the date of joining**

   - SQL> select employee_id,first_name,last_name,hire_date,(hire_date+365) as confirm_date from employees;
     107 rows selected.

7. **List every department_name with concatenated manager id as "Department name is headed by manager id" for those departments which have a manager**

   - SQL> select concat(concat(department_name,'-'),manager_id) DHBy_manager from departments where manager_id is not null;
     11 rows selected.

     Note: DHBy_manager is Department name is Headed by manager id

8. **Find the average salary of employees in each department**

   - SQL> select department_id,avg(salary) from employees group by department_id;
     12 rows selected.

9. **Find the average salary of all working employees in each department**

   - SQL> select department_id,avg(salary) from employees where department_id is not null group by department_id;
     11 rows selected.

10. **Find the average salary of all working employees in each department with average salary>5000**

    - SQL> select department_id,avg(salary) from employees where department_id is not null group by department_id having avg(salary)>5000;
      8 rows selected.