DBMS Lab : N Batch – 04.03.2026

Consider the Relation Schema:

Department (dept_id NUMBER dept_name VARCHAR2(50) NOT NULL, location VARCHAR2(50))

Employees (emp_id NUMBER, emp_name VARCHAR2(100) NOT NULL, salary NUMBER(10,2) CHECK (salary > 0), hire_date DATE NOT NULL, dept_id NUMBER, commission NUMBER(10,2))

projects (project_id NUMBER PRIMARY KEY, project_name VARCHAR2(100), start_date DATE, end_date DATE, budget NUMBER(12,2))

employee_projects (emp_id NUMBER, project_id NUMBER, assigned_date DATE)

1. Create a function that accepts emp_id, if employee exists then returns employee salary else return NULL if employee does not exist.
2. Create a function that accepts emp_id, if employee exists then returns (salary * 12 + commission) , if commission is NULL treat it as 0.
3. Create a function that accepts emp_id, if employee exists then returns department name.
4. Create a function that accepts emp_id, if employee exists then returns number of completed years worked, else return NULL if employee does not exist
5. Create a function that accepts project_id, Returns duration in days (end_date - start_date)
6. **Create a function that accepts project_id , returns 'ONGOING' (if end_date > SYSDATE), or 'COMPLETED' or 'NOT STARTED'.**
7. **Create a function that accepts emp_id, Calculates tax based on annual salary:**

Annual Salary	Tax
< 50000	5%
50000–100000	10%
>100000	20%