**#CTS WEEK 2:  
PL SQL EXERCISES:**

**STORED PROCEDURES:**

**CREATE TABLE employees (**

**id NUMBER PRIMARY KEY,**

**name VARCHAR2(50),**

**department VARCHAR2(30),**

**basic\_salary NUMBER,**

**bonus\_amount NUMBER**

**);**

**INSERT INTO employees VALUES (1, 'Arun', 'IT', 50000, NULL);**

**INSERT INTO employees VALUES (2, 'Neha', 'HR', 60000, NULL);**

**COMMIT;**

**CREATE OR REPLACE PROCEDURE manage\_employee\_bonus (**

**emp\_id IN NUMBER,**

**emp\_name IN VARCHAR2,**

**emp\_dept IN VARCHAR2,**

**emp\_salary IN NUMBER,**

**bonus\_percent IN NUMBER**

**)**

**IS**

**emp\_exists NUMBER := 0;**

**bonus NUMBER;**

**BEGIN**

**SELECT COUNT(\*) INTO emp\_exists FROM employees WHERE id = emp\_id;**

**IF emp\_exists = 0 THEN**

**INSERT INTO employees (id, name, department, basic\_salary, bonus\_amount)**

**VALUES (emp\_id, emp\_name, emp\_dept, emp\_salary, NULL);**

**DBMS\_OUTPUT.PUT\_LINE('New employee added: ' || emp\_name);**

**ELSE**

**DBMS\_OUTPUT.PUT\_LINE('Employee exists. Updating bonus...');**

**END IF;**

**bonus := emp\_salary \* bonus\_percent / 100;**

**UPDATE employees SET bonus\_amount = bonus WHERE id = emp\_id;**

**DBMS\_OUTPUT.PUT\_LINE('Bonus updated: ' || bonus);**

**EXCEPTION**

**WHEN OTHERS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);**

**END;**

**/**

**BEGIN**

**manage\_employee\_bonus(3, 'Meera', 'Finance', 55000, 15);**

**END;**

**/**

**OUTPUT:**

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