**Observation 30- body package**

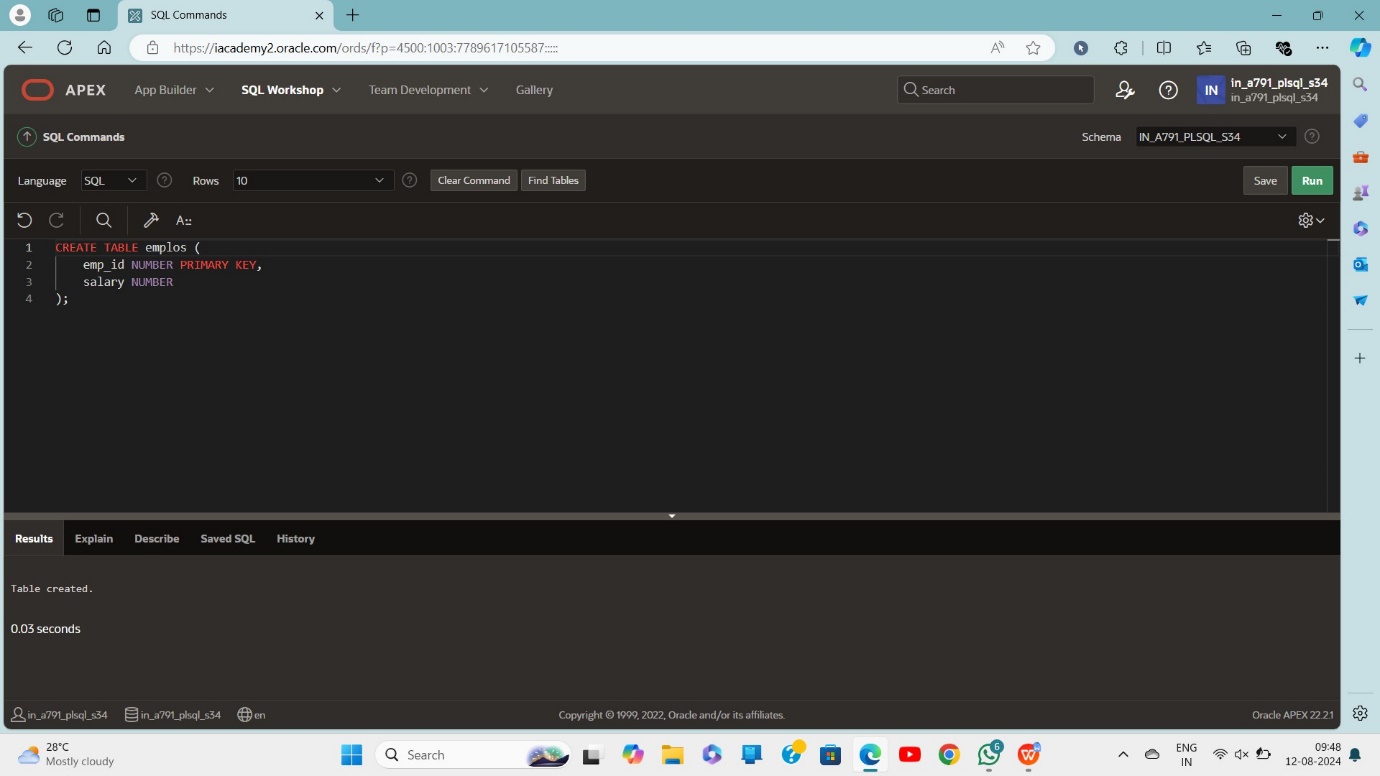
**Create employee table:**

CREATE TABLE emplos (

emp\_id NUMBER PRIMARY KEY,

salary NUMBER

);



**insert values:**

INSERT INTO employees (emp\_id, salary)

VALUES (101, 30000);

INSERT INTO employees (emp\_id, salary)

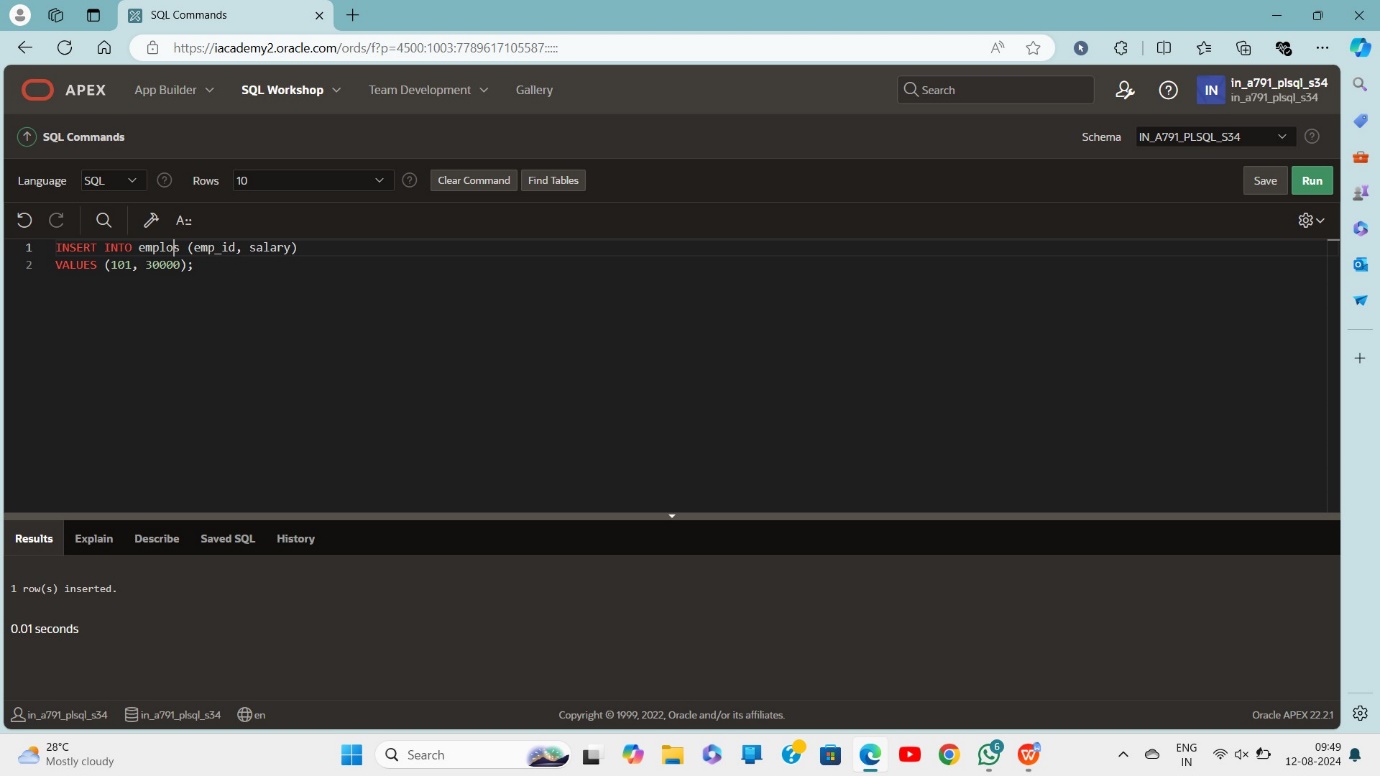
VALUES (102, 35000);

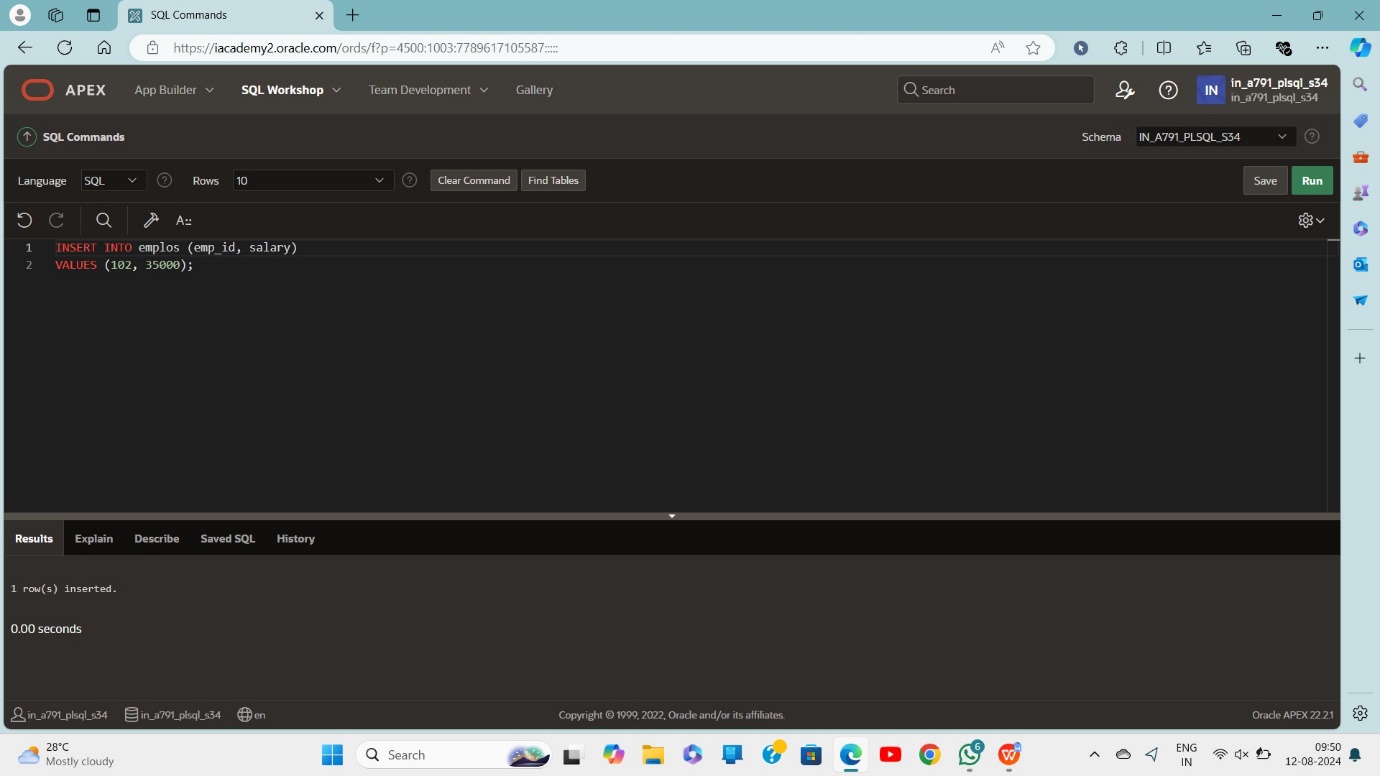
INSERT INTO employees (emp\_id, salary)

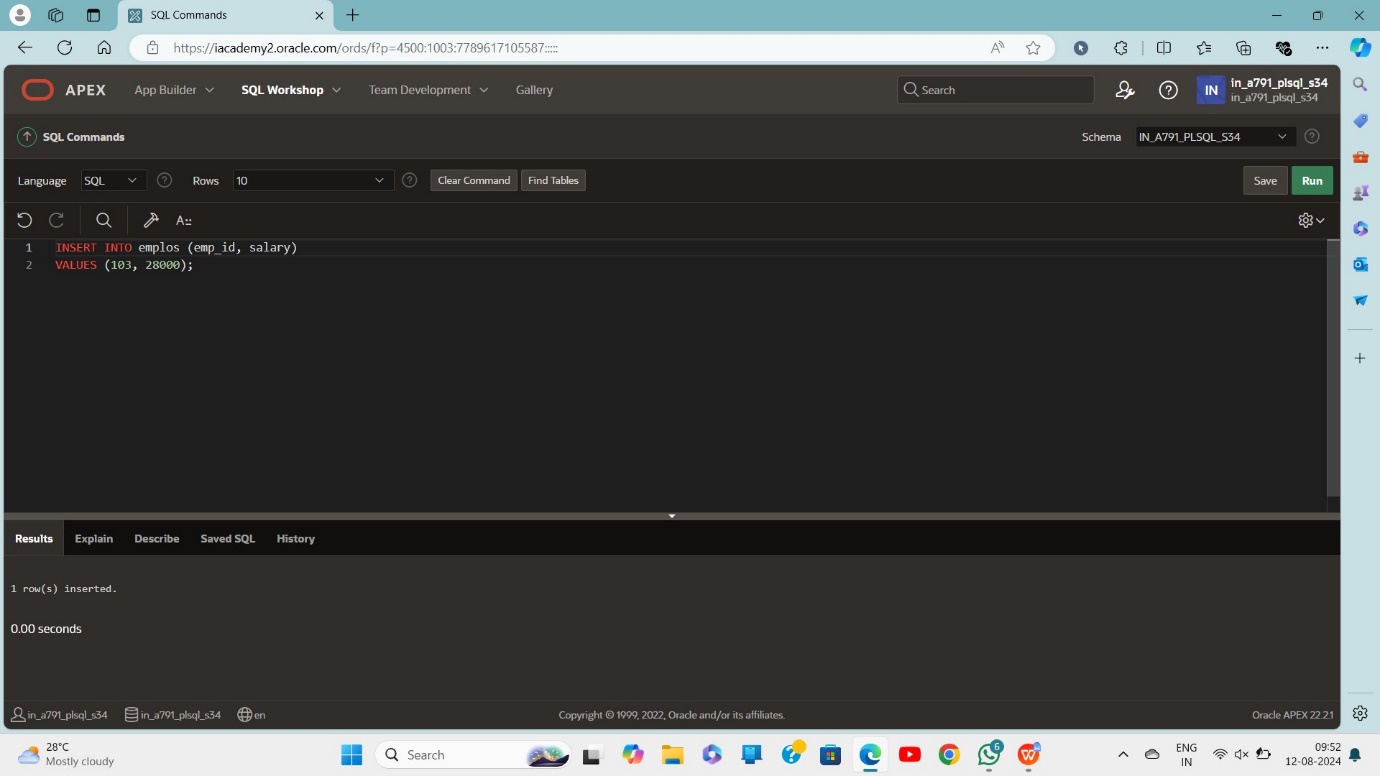
VALUES (103, 28000);

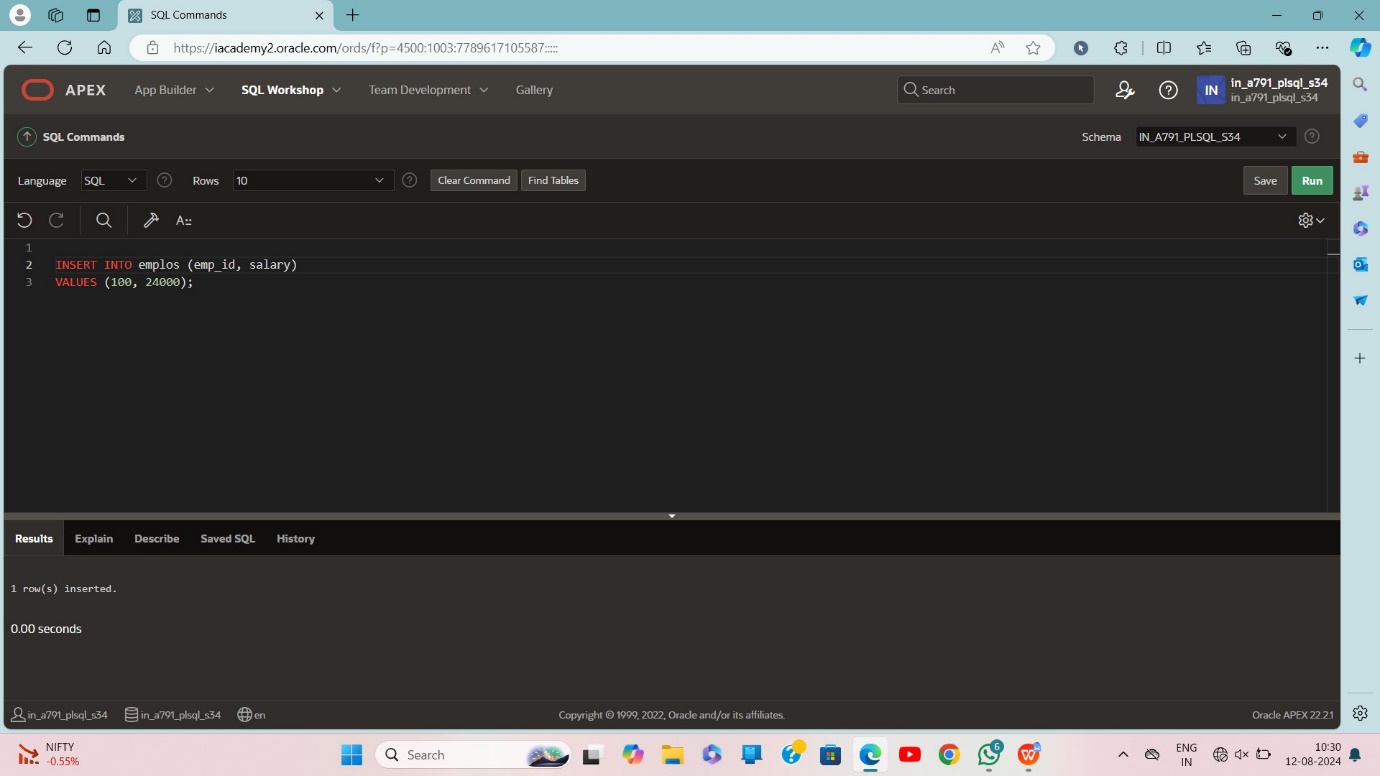
INSERT INTO employees (emp\_id, salary)

VALUES (100, 24000);

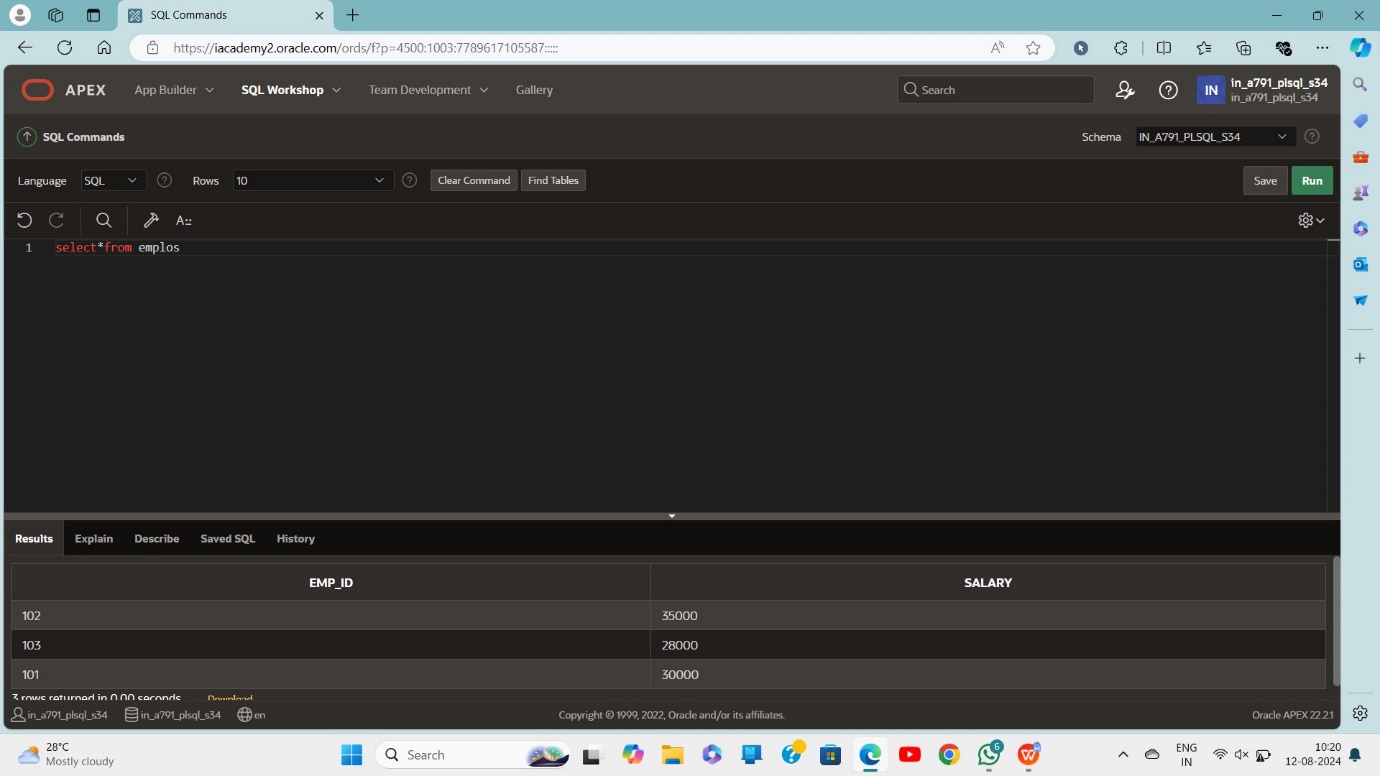








Select\*from emplos



**Create package:**

CREATE OR REPLACE PACKAGE salary\_pkg IS

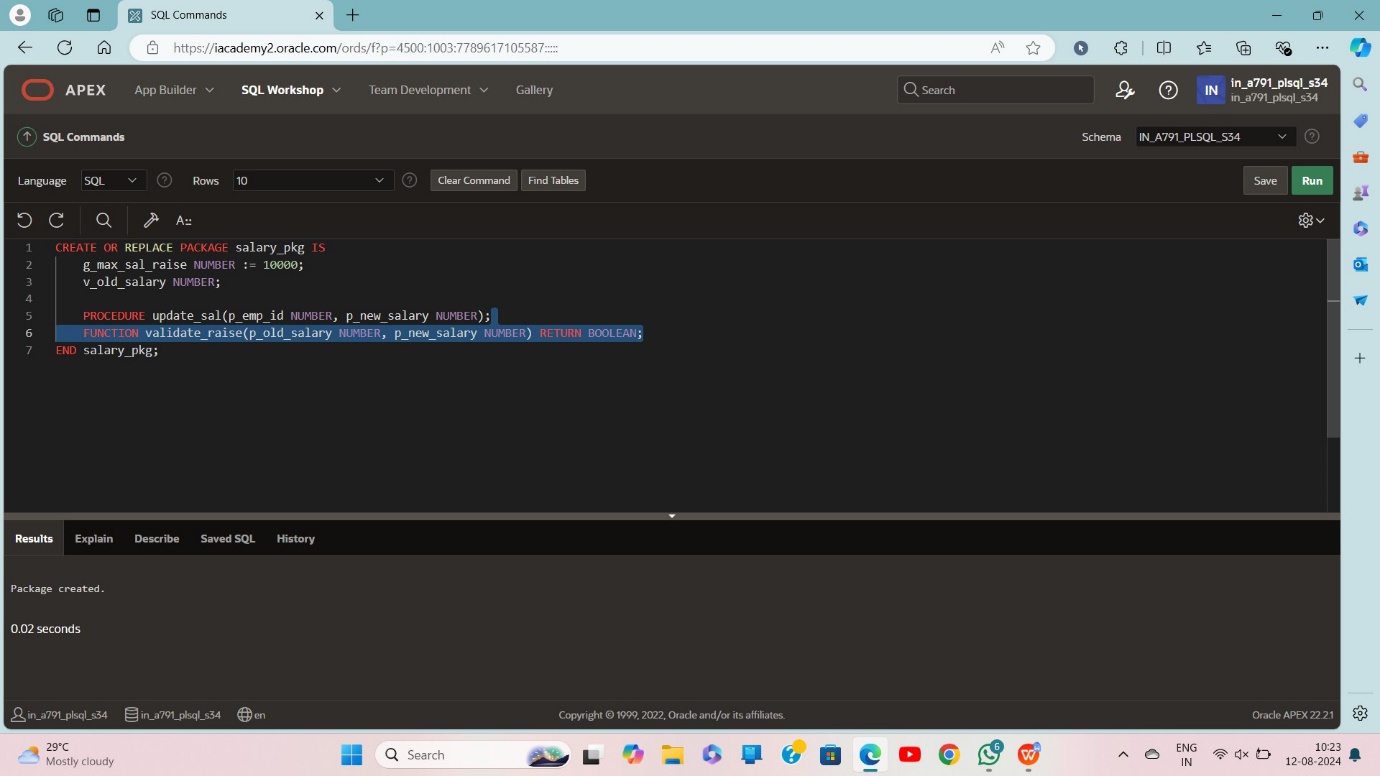
g\_max\_sal\_raise NUMBER := 10000;

v\_old\_salary NUMBER;

PROCEDURE update\_sal(p\_emp\_id NUMBER, p\_new\_salary NUMBER);

FUNCTION validate\_raise(p\_old\_salary NUMBER, p\_new\_salary NUMBER) RETURN BOOLEAN;

END salary\_pkg;



CREATE OR REPLACE PACKAGE BODY salary\_pkg IS

PROCEDURE update\_sal(p\_emp\_id NUMBER, p\_new\_salary NUMBER) IS

BEGIN

SELECT salary INTO v\_old\_salary FROM emplos WHERE emp\_id = p\_emp\_id;

UPDATE emplos

SET salary = p\_new\_salary

WHERE emp\_id = p\_emp\_id;

END update\_sal;

FUNCTION validate\_raise(p\_old\_salary NUMBER, p\_new\_salary NUMBER) RETURN BOOLEAN IS

BEGIN

IF (p\_new\_salary - p\_old\_salary) <= g\_max\_sal\_raise THEN

RETURN TRUE;

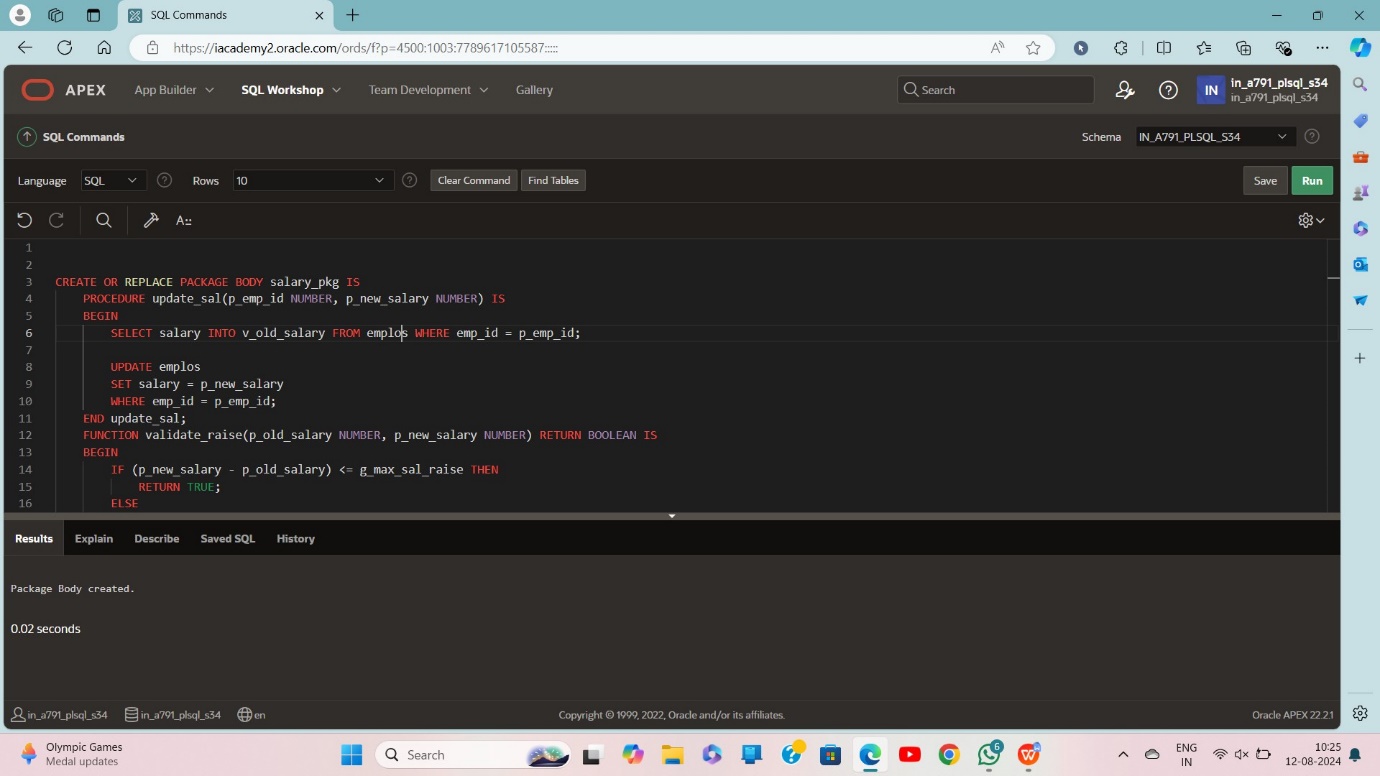
ELSE

RETURN FALSE;

END IF;

END validate\_raise;

END salary\_pkg;



**Declare:**

DECLARE

v\_bool BOOLEAN;

v\_number NUMBER;

BEGIN

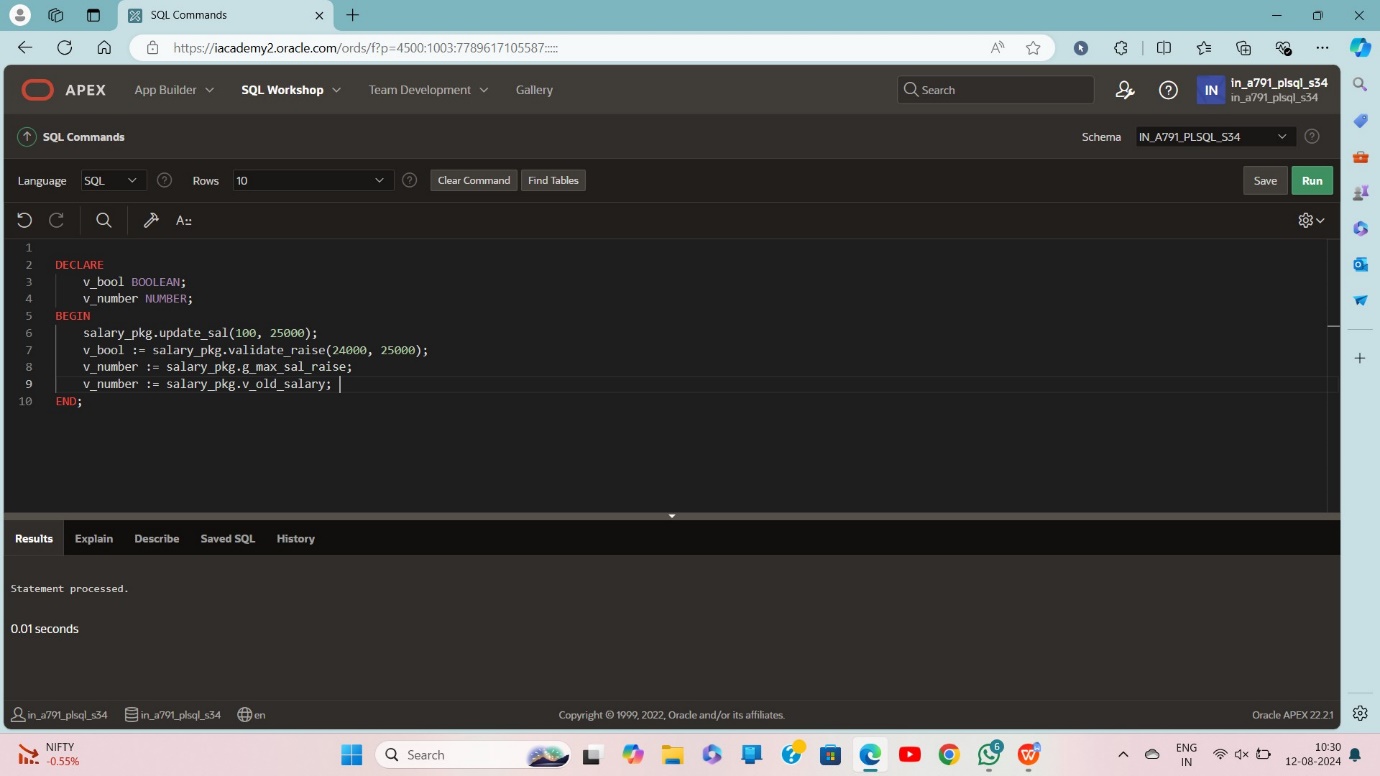
salary\_pkg.update\_sal(100, 25000);

v\_bool := salary\_pkg.validate\_raise(24000, 25000);

v\_number := salary\_pkg.g\_max\_sal\_raise;

v\_number := salary\_pkg.v\_old\_salary;

END;



Select\*from emplos

