5-5: Using Cursors FOR UPDATE

Vocabulary

1.FOR UPDATE

2. NOWAIT

Try It/Solve It

1.

 DECLARE

 CURSOR empcur(p_sal NUMBER) IS SELECT employee_id, department_id, salary FROM employees WHERE salary < p_sal FOR UPDATE NOWAIT;

v_emp_rec empcur%ROWTYPE;

 BEGIN

 FOR v_emp_rec IN empcur(5000)

LOOP

INSERT INTO proposed_raises(date_proposed, date_approved, employee_id, department_id, original_salary, proposed_new_salary) VALUES(SYSDATE, NULL, v_emp_rec.employee_id, v_emp_rec.department_id, v_emp_rec.salary, v_emp_rec.salary*1.05);

END LOOP;

END;

2.

3.

A. DECLARE

 CURSOR emp_curs IS SELECT date_approved FROM proposed_raises FOR UPDATE OF date_approved;

 emp_rec emp_curs%ROWTYPE;

BEGIN

 FOR emp_rec IN emp_curs LOOP

UPDATE proposed_raises SET date_approved=SYSDATE WHERE CURRENT OF emp_curs;

END LOOP;

END;

B.DECLARE

 CURSOR emp_curs IS SELECT date_approved FROM proposed_raises WHERE department_id=50 FOR UPDATE OF date_approved;

 emp_rec emp_curs%ROWTYPE;

BEGIN

 FOR emp_rec IN emp_curs LOOP

  DELETE FROM proposed_raises WHERE CURRENT OF emp_curs;

 END LOOP;

END;

4.

A.

B.UPDATE upd_emps SET first_name='Jenny' WHERE employee_id=200;

C.DECLARE

 CURSOR emp_curs IS SELECT * FROM upd_emps FOR UPDATE NOWAIT;

 emp_rec emp_curs%ROWTYPE;

BEGIN

 FOR emp_rec IN emp_curs LOOP

  UPDATE upd_emps SET salary=salary+1 WHERE CURRENT OF emp_curs;

 END LOOP;

END;

D.DECLARE

 CURSOR emp_curs IS SELECT * FROM upd_emps ;

 emp_rec emp_curs%ROWTYPE;

```
BEGIN

 FOR emp_rec IN emp_curs LOOP

  UPDATE upd_emps SET salary=salary+1 WHERE CURRENT OF emp_curs;

 END LOOP;

END;
```