

3-3: Manipulating Data in PL/SQL

Vocabulary

1. Implicit cursors
2. Explicit cursors
3. MERGE
4. INSERT
5. DELETE
6. UPDATE

Try It / Solve It

1.FALSE(IMPLICIT)

2. Cursor Attributes,implicit

3.The maximum department id is: 190

4.

```
DECLARE
v_dept_name new_depts.department_name%TYPE := 'A New Department';
v_dept_id new_depts.department_id%TYPE;
v_max_deptno new_depts.department_id%TYPE;
BEGIN
SELECT MAX(department_id) INTO v_max_deptno
FROM new_depts;
DBMS_OUTPUT.PUT_LINE('The maximum department id is: ' || v_max_deptno);
END;
```

5.

```
DECLARE
v_dept_name new_depts.department_name%TYPE := 'A New Department';
v_dept_id new_depts.department_id%TYPE;
v_max_deptno new_depts.department_id%TYPE;
BEGIN
SELECT MAX(department_id) INTO v_max_deptno
FROM new_depts;
DBMS_OUTPUT.PUT_LINE('The maximum department id is: ' || v_max_deptno);
v_dep_id:= v_max_deptno+10;
DBMS_OUTPUT.PUT_LINE(v_dep_id);
END;
```

6.

```
DECLARE
v_dept_name new_depts.department_name%TYPE := 'A New Department';
v_dept_id new_depts.department_id%TYPE;
v_max_deptno new_depts.department_id%TYPE;
BEGIN
SELECT MAX(department_id) INTO v_max_deptno
FROM new_depts;
DBMS_OUTPUT.PUT_LINE('The maximum department id is: ' || v_max_deptno);
v_dep_id:= v_max_deptno+10;
INSERT INTO new_depts(department_id,department_name,manager_id,location_id)
Values (d_dept_id,v_dept_name,NULL,NULL);
END;
```

7.

```
DECLARE
v_dept_name new_depts.department_name%TYPE := 'A New Department';
v_dept_id new_depts.department_id%TYPE;
v_max_deptno new_depts.department_id%TYPE;
BEGIN
SELECT MAX(department_id) INTO v_max_deptno
FROM new_depts;
DBMS_OUTPUT.PUT_LINE('The maximum department id is: ' || v_max_deptno);
v_dep_id:= v_max_deptno+10;
INSERT INTO new_depts(department_id,department_name,manager_id,location_id)
Values (d_dept_id,v_dept_name,NULL,NULL);
DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT);
END;
```

8.

```
DECLARE
v_dept_name new_depts.department_name%TYPE := 'A New Department';
v_dept_id new_depts.department_id%TYPE;
v_max_deptno new_depts.department_id%TYPE;
BEGIN
SELECT MAX(department_id) INTO v_max_deptno
FROM new_depts;
DBMS_OUTPUT.PUT_LINE('The maximum department id is: ' || v_max_deptno);
v_dep_id:= v_max_deptno+10;
UPDATE new_depts SET location_id=1400 WHERE location_id=1400
DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT);
END;
```


