12-1: Using Dynamic SQL

Vocabulary

1.NATIVE DYNAMIC SQL

2.EXECUTE IMMEDIATE

Try It / Solve It

1.

Parse-verifica sintaxele,existenta obiectelor,privilegile

Bind-obtine valorile reale ale variabilelelor la care se face refernita in statement

Execute-statement-ul se executa

2.

este mai usor de utilizat

necesita mai putin cod

se executa mai repede

3.

```
CREATE OR REPLACE PROCEDURE display_data(p_table_name VARCHAR2) IS
v_dept_id NUMBER(4);
BEGIN
EXECUTE IMMEDIATE 'SELECT department_id FROM '
|| p_table_name
|| ' WHERE manager_id = 205'
INTO v_dept_id;
DBMS_OUTPUT.PUT_LINE('The department ID is: '|| v_dept_id);
```

```
EXCEPTION

WHEN NO_DATA_FOUND THEN

DBMS_OUTPUT.PUT_LINE('There are no rows for this table

/ manager ID combination');

WHEN TOO_MANY_ROWS THEN

DBMS_OUTPUT.PUT_LINE('There are too many rows for this table

/ manager ID combination.');

END;
```

4.

```
CREATE OR REPLACE PRORCEDURE how_many_rows(p_table_name Varchar2) IS

v_count Number(4);

BEGIN

EXECUTE IMMEDIATE 'select count(*) from' || p_table_name into v_count;

DBMS_OUTPUT.PUT_LINE('tabelul '|| p_table_name || 'are' || v_count || 'linii');

END;
```

5.

```
CREATE OR REPLACE PRORCEDURE delete_rows(p_name VARCHAR2) IS

v_cont NUMBER;

BEGIN

EXECUTE IMMEDIATE 'DELETE FROM ' || p_name;

v_cont := SQL%ROWCOUNT;

DBMS_OUTPUT.PUT_LINE('Se elimina ' || ' ' || v_cont || ' ' || 'din ' || ' ' || p_name);

END;
```