Tema Curs SGDB (10 noiembrie 2022)

1. Tratati exceptiile aparute in urma rularii unor comenzi de DELETE/UPDATE ... RETURNING aplicate unui tip record.

```
declare
    type emp_eis_record is record
        (id emp_eis.employee_id%type,
            first_name emp_eis.first_name%type,
            last_name emp_eis.last_name%type,
            salary emp_eis.salary%type);
    v_emp_eis emp_eis_record;
begin
    delete from emp_eis
    where initcap(first_name) = 'Alexander'
    returning employee_id, first_name, last_name, salary into v_emp_eis;
exception
    when TOO_MANY_ROWS then DBMS_OUTPUT.PUT_LINE('Too many rows');
end;
//
```

```
SQL Worksheet History

SQL Worksheet History

SQL Worksheet History

SQL Worksheet History
                                                                                                                                          Grupa 233
 rksheet Query Builder
  declare
        type emp_eis_record is record
             (id emp eis.employee id%type,
             first_name emp_eis.first_name%type,
             last_name emp_eis.last_name%type,
              salary emp_eis.salary%type);
        v_emp_eis emp_eis_record;
   begin
        delete from emp_eis
        where initcap(first_name) = 'Alexander'
        returning employee id, first name, last name, salary into v emp eis;
   exception
       when TOO_MANY_ROWS then DBMS_OUTPUT.PUT_LINE('Too many rows');
   end;
📌 🧳 📑 🔠 📓 | Task completed in 0.335 seconds
PL/SQL procedure successfully completed.
Dbms Output

Buffer Size: 20000
rupa 233 🗶
Too many rows
```

declare

```
type emp_eis_record is record
    (id emp_eis.employee_id%type,
     first_name emp_eis.first_name%type,
```

```
last_name emp_eis.last_name%type,
    salary emp_eis.salary%type);
v_emp_eis emp_eis_record;
begin
    update emp_eis
    set salary = 25000
    where initcap(first_name) = 'Alexander'
    returning employee_id, first_name, last_name, salary into v_emp_eis;
exception
    when TOO_MANY_ROWS then DBMS_OUTPUT.PUT_LINE('Too many rows');
    when NO_DATA_FOUND then DBMS_OUTPUT.PUT_LINE('No data found');
end;
//
```



Cum stabilim daca NO_DATA_FOUND este generat de SELECT sau de un tablou indexat?

Putem stabili daca NO_DATA_FOUND este generat de SELECT sau de un tablou indexat uitandu-ne la ordinea in care acestea apar.

1. Accesare in tablou indexat

SELECT in sub-bloc

Eroare NO DATA FOUND generata de tablou indexat

2. SELECT in sub-bloc

Accesare in tablou indexat

Eroare NO DATA FOUND generata de SELECT

Exemplul 1:

Eroare la linia 11, la accesarea unui element din tabel:

```
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                                                                                                                        Grupa 233 ▼
 Worksheet Query Builder
        v_first_name emp_eis.first_name%type;
        t(1) := 'John';
        t(2) := 'Fred';
        t(3) := 'Claire';
        DBMS OUTPUT.PUT LINE('Angajatul ' || t(4) || ' este angajatul lunii.');
        select first_name into v_first_name
        from emp_eis
        where first name = 'Irina';
    end;
 📌 🧽 🔒 📓 | Task completed in 0.133 seconds
 Error report -
 ORA-01403: no data found
 ORA-06512: at line 11
 01403. 00000 - "no data found"
 *Cause: No data was found from the objects.
 *Action: There was no data from the objects which may be due to end of fetch.
```

```
SQL Worksheet History

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                                                                                                                              Grupa 233
Worksheet Query Builder
   begin
       t(1) := 'John';
       t(2) := 'Fred';
       t(3) := 'Claire';
        if t(3) = 'Claire' then
           -- LINE 12
            DBMS_OUTPUT.PUT_LINE(t(4));
            -- LINE 13
            select first_name into v_first_name
            from emp eis
            where first_name = 'Irina';
       end if;
   end,
 Script Output × DQuery Result ×
📌 🤣 🔡 📓 | Task completed in 0.128 seconds
Error report -
ORA-01403: no data found
ORA-06512: at line 12
01403. 00000 - "no data found"
 *Cause: No data was found from the objects.
*Action: There was no data from the objects which may be due to end of fetch.
```

Exemplul 2:

Eroare la linia 11, la SELECT:

```
SQL Worksheet History

SQL Worksheet History

SQL Worksheet History
                                                                                                                   Grupa 233
       v_first_name emp_eis.first_name%type;
   begin
       t(1) := 'John';
       t(2) := 'Fred';
       t(3) := 'Claire';
       -- LINE 11
       select first_name into v_first_name
    from emp eis
       where first_name = 'Irina';
       DBMS_OUTPUT.PUT_LINE('Angajatul ' || t(4) || ' este angajatul lunii.');
  end;
Error report -
ORA-01403: no data found
ORA-06512: at line 11
01403. 00000 - "no data found"
*Cause: No data was found from the objects.
*Action: There was no data from the objects which may be due to end of fetch.
```

```
SQL Worksheet History
                                                                                                                                   Grupa 233
  rksheet Query Builder
   begin
        t(1) := 'John';
        t(2) := 'Fred';
        t(3) := 'Claire';
        if t(3) = 'Claire' then
             -- LINE 12
            select first_name into v_first_name
            from emp_eis
             where first_name = 'Irina';
             -- LINE 13
            DBMS_OUTPUT.PUT_LINE(t(4));
        end if;
   end;
📌 🥢 📑 🚨 🥫 | Task completed in 0.109 seconds
Error report -
ORA-01403: no data found
ORA-06512: at line 12
01403. 00000 - "no data found"
*Cause: No data was found from the objects.

*Action: There was no data from the objects which may be due to end of fetch.
```

Exemplul 3:

Eroare la linia 11, la accesarea unui element din tabel:

```
SQL Worksheet History

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                                                                                                                                    Worksheet Query Builder
       t(1) := 'John';
       t(2) := 'Fred';
        t(3) := 'Claire';
        -- LINE 11
   if t(4) = 'Irina' then
             -- LINE 13
           select first_name into v_first_name
           from emp_eis
where first_name = 'Irina';
       end if;
   end.
Script Output × Deguery Result ×

# ## Output | Task completed in 0.117 seconds
Error report -
ORA-01403: no data found
ORA-06512: at line 11
01403. 00000 - "no data found"
*Cause: No data was found from the objects.
*Action: There was no data from the objects which may be due to end of fetch.
```