# Tema 1 SGBD - Oprea Tudor (241)

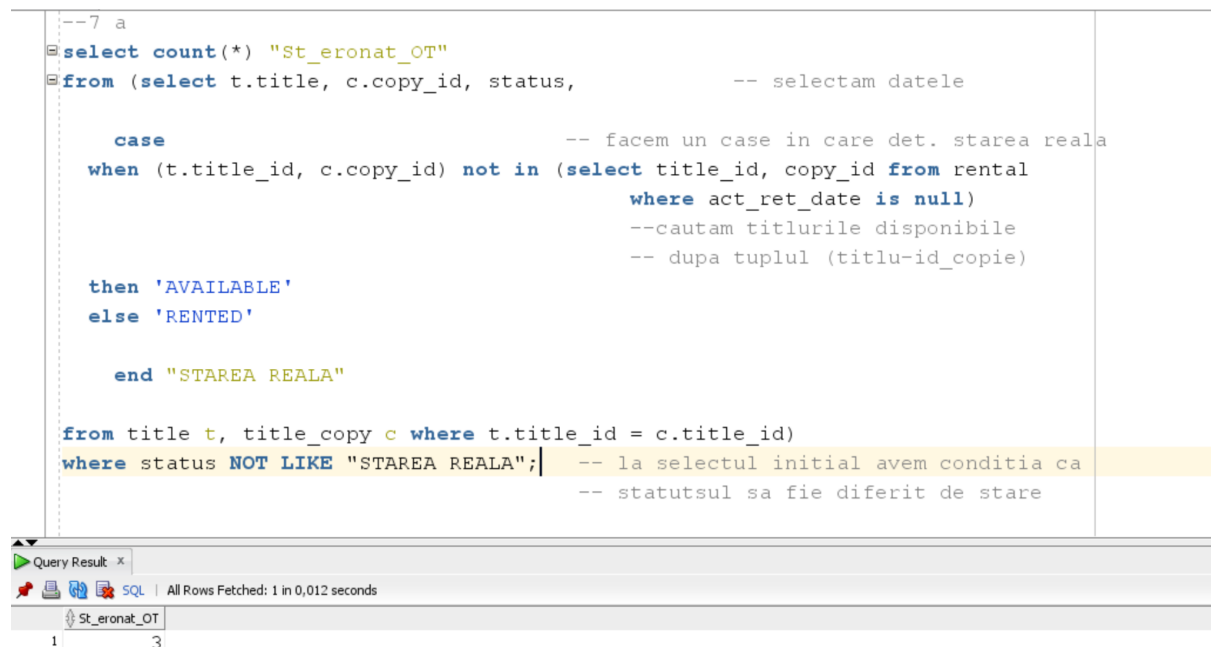Exercitiul 7

a)
```
select count(*) "St_eronat_OT"
from (select t.title, c.copy_id, status,          -- selectam datele

    case                          -- facem un case in care det. starea reala
   when (t.title_id, c.copy_id) not in (select title_id, copy_id from rental
                             where act_ret_date is null)
                             --cautam titlurile disponibile
                             -- dupa tuplul (titlu-id_copie)
  then 'AVAILABLE'
  else 'RENTED'

   end "STAREA REALA"

from title t, title_copy c where t.title_id = c.title_id)
where status NOT LIKE "STAREA REALA";   -- la selectul initial avem conditia ca
                          -- statutsul sa fie diferit de stare
```



b)
```
create table title_copy_OT as select * from title_copy;  --noul tabel

update title_copy_OT --corectam statusul cu cel determinat corect
```
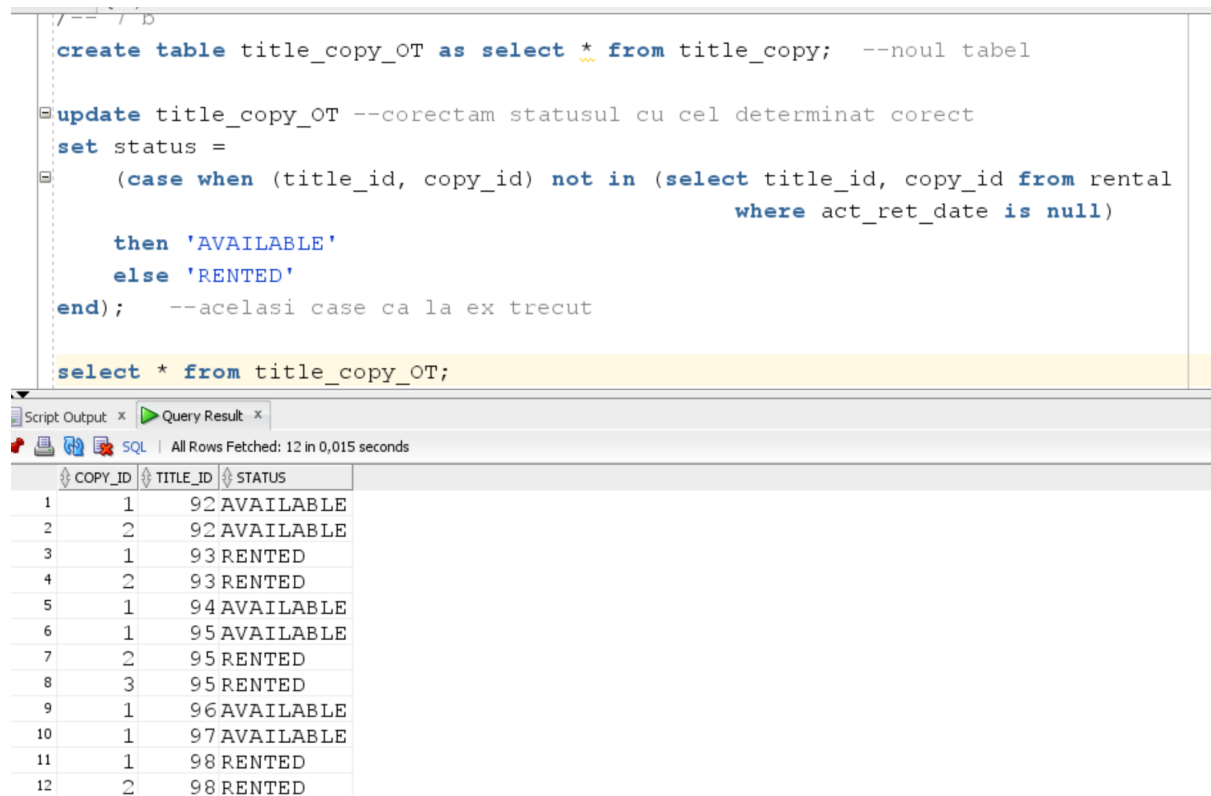
```
set status =
    (case when (title_id, copy_id) not in (select title_id, copy_id from rental
                                where act_ret_date is null)
    then 'AVAILABLE'
    else 'RENTED'
end);   --acelasi case ca la ex trecut

select * from title_copy_OT;
```

```
/-- / b
  create table title_copy_OT as select * from title_copy;   --noul tabel

  update title_copy_OT --corectam statusul cu cel determinat corect
  set status =
      (case when (title_id, copy_id) not in (select title_id, copy_id from rental
                                        where act_ret_date is null)
      then 'AVAILABLE'
      else 'RENTED'
  end);    --acelasi case ca la ex trecut

    select * from title_copy_OT;
```

Script Output ×  | ▶ Query Result ×

🔴 🖨 🔁 📇 SQL | All Rows Fetched: 12 in 0,015 seconds

| | COPY_ID | TITLE_ID | STATUS |
|---|---|---|---|
| 1 | 1 | 92 | AVAILABLE |
| 2 | 2 | 92 | AVAILABLE |
| 3 | 1 | 93 | RENTED |
| 4 | 2 | 93 | RENTED |
| 5 | 1 | 94 | AVAILABLE |
| 6 | 1 | 95 | AVAILABLE |
| 7 | 2 | 95 | RENTED |
| 8 | 3 | 95 | RENTED |
| 9 | 1 | 96 | AVAILABLE |
| 10 | 1 | 97 | AVAILABLE |
| 11 | 1 | 98 | RENTED |
| 12 | 2 | 98 | RENTED |

# Exercitiul 8

```
select
    case
    when
      (select count(*)
      from rental r          -- cautam numarul de copii care au book date dif de res date
      join reservation res on (r.member_id=res.member_id and r.title_id=res.title_id)
      where book_date not like res_date)  >0
                      -- daca numarul lor (count) e mai mare decat zero,
    then 'NU'             -- atunci nu au fost corect imprumutate
    else 'DA'            -- altfel da
    end  "Raspuns_OT"
from dual;              -- afisam ori da, ori nu, in functie de case
```

```
-- 8
select
    case
    when
        (select count(*)
        from rental r          -- cautam numarul de copii care au book date dif de res date
        join reservation res on (r.member_id=res.member_id and r.title_id=res.title_id)
        where book_date not like res_date)  >0
                               -- daca numarul lor (count) e mai mare decat zero,
        then 'NU'              -- atunci nu au fost corect imprumutate
        else 'DA'              -- altfel da
        end  "Raspuns_OT"
from dual;                     -- afisam ori da, ori nu, in functie de case
```

```
ript Output  ×  ▶ Query Result  ×
📄 🐙 📄 SQL | All Rows Fetched: 1 in 0,009 seconds
   ⬦ Raspuns_OT
1  NU
```

# Exercitiul 10

select m.last_name "Prenume_OT", m.first_name "Nume_OT",r.copy_id "Cod_OT", t.title "Titlu_OT",
count(t.title_id) "Rent_OT" --numarul de imprumutari
from member m
join rental r on (r.member_id = m.member_id)    -- facem join intre member si rental prin id ul membrului,
join title_copy c on (c.copy_id=r.copy_id and c.title_id=r.title_id)    -- cu title_copy prin id ul copiei si titlu
join title t on (t.title_id=c.title_id)                --si cu title prin titlul filmului
group by t.title_id, t.title, m.last_name, m.first_name, r.copy_id; -- la final le grupam

```
-- 10
select m.last_name "Prenume_OT", m.first_name "Nume_OT",r.copy_id "Cod_OT", t.title "Titlu_OT",
count(t.title_id) "Rent_OT" --numarul de imprumutari
from member m
join rental r on (r.member_id = m.member_id)    -- facem join intre member si rental prin id ul membrului,
join title_copy c on (c.copy_id=r.copy_id and c.title_id=r.title_id)    -- cu title_copy prin id ul copiei si titlu
join title t on (t.title_id=c.title_id)                --si cu title prin titlul filmului
group by t.title_id, t.title, m.last_name, m.first_name, r.copy_id; -- la final le grupam
```

```
Script Output  ×  ▶ Query Result  ×
📌 📄 🐙 📄 SQL | All Rows Fetched: 14 in 0,027 seconds
```

| | Prenume_OT | Nume_OT | Cod_OT | Titlu_OT | Rent_OT |
|---|---|---|---|---|---|
| 1 | Ngao | LaDoris | 2 | Willie and Christmas Too | 1 |
| 2 | Velasquez | Carmen | 2 | Alien Again | 1 |
| 3 | Velasquez | Carmen | 1 | Willie and Christmas Too | 1 |
| 4 | Urguhart | Molly | 2 | Alien Again | 1 |
| 5 | Ngao | LaDoris | 3 | My Day Off | 1 |
| 6 | Quick-To-See | Mark | 1 | Interstellar Wars | 1 |
| 7 | Urguhart | Molly | 1 | Soda Gang | 1 |
| 8 | Velasquez | Carmen | 3 | My Day Off | 1 |
| 9 | Velasquez | Carmen | 1 | Alien Again | 1 |
| 10 | Quick-To-See | Mark | 1 | Alien Again | 1 |
| 11 | Ngao | LaDoris | 2 | Interstellar Wars | 1 |
| 12 | Ngao | LaDoris | 2 | Alien Again | 1 |
| 13 | Velasquez | Carmen | 1 | Interstellar Wars | 1 |
| 14 | Nagayama | Midori | 2 | My Day Off | 1 |