

TEMĂ

Se dau următoarele tabele:

MEMBER(member_id, last_name, first_name, address, city, phone, join_date)

TITLE(title_id, title, description, rating, category, release_date)

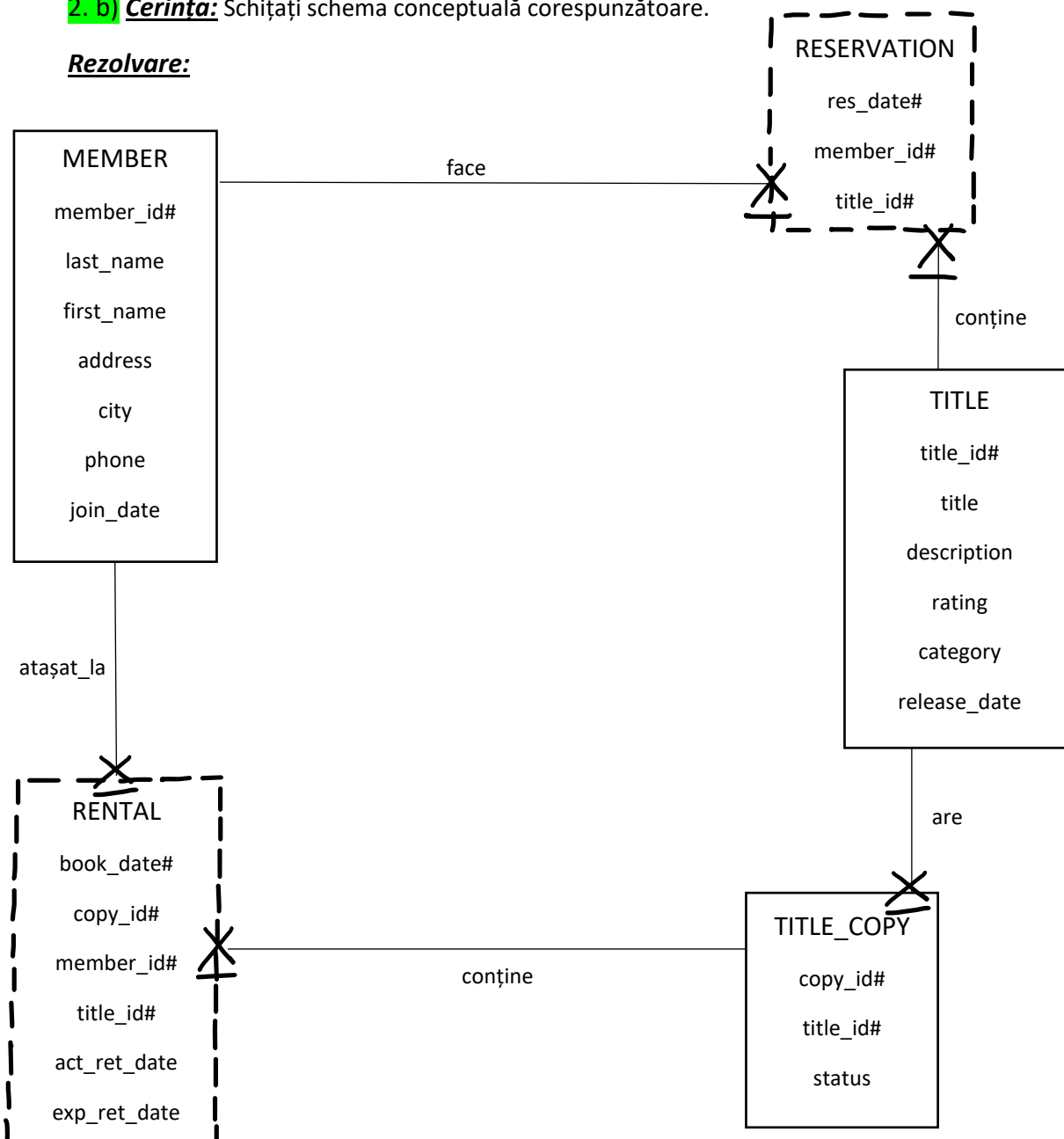
TITLE_COPY(copy_id, title_id, status)

RENTAL(book_date, copy_id, member_id, title_id, act_ret_date, exp_ret_date)

RESERVATION(res_date, member_id, title_id)

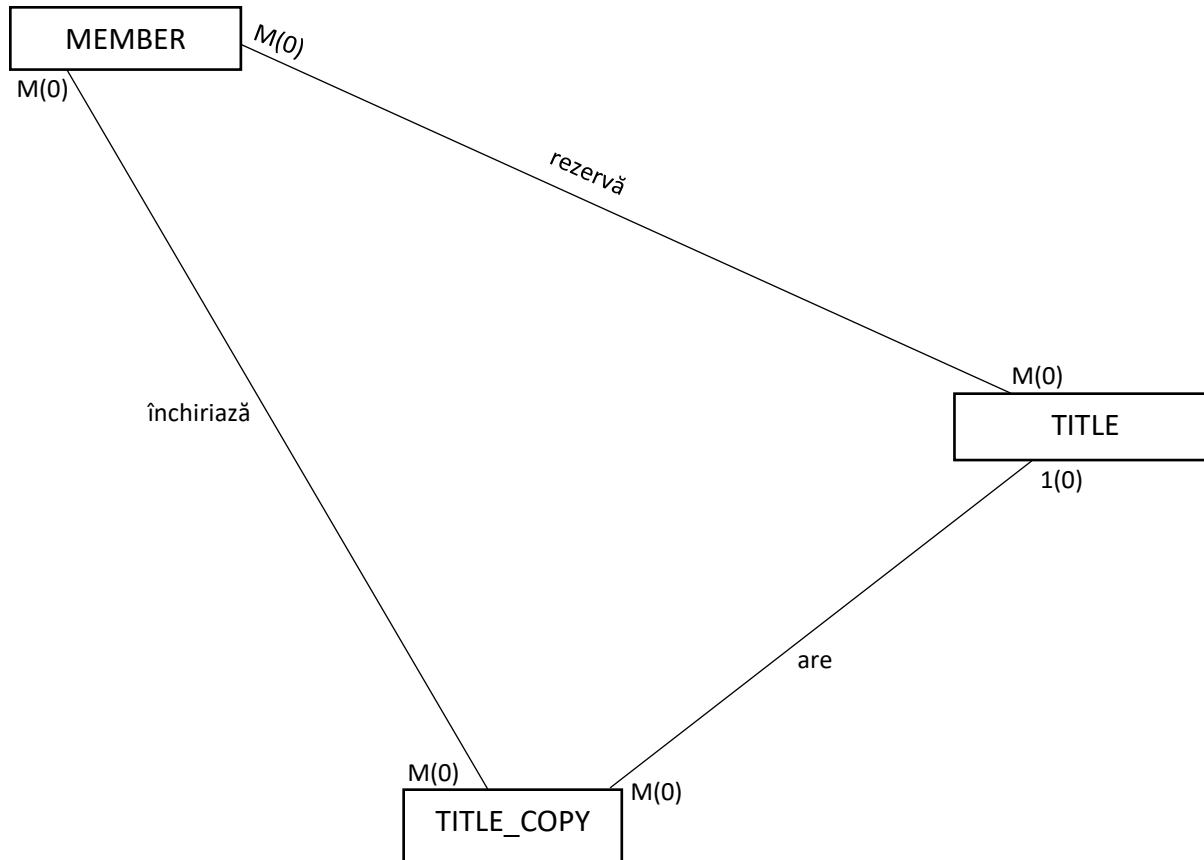
2. b) Cerinta: Schițați schema conceptuală corespunzătoare.

Rezolvare:



3) **Cerința:** Schițați schema entitate-relație corespunzătoare.

Rezolvare:



REZOLVĂRILE (LE PUTEȚI GĂSI ȘI ÎN FIȘIERUL .SQL ATAȘAT) !

10) **Cerința:** De câte ori a împrumutat un membru (nume și prenume) fiecare exemplar (cod) al unui film (titlu)?

Rezolvare:

```
select m.first_name as "Nume", m.last_name as "Prenume", c.copy_id as "Cod exemplar", t.title as "Titlu", count(t.title_id) as "Nr. Imprumuturi"
```

```
from member m, title_copy c, title t, rental r
```

```
where m.member_id = r.member_id
```

```
and r.title_id = c.title_id
```

and c.copy_id = r.copy_id

and t.title_id = c.title_id

group by m.first_name, m.last_name, c.copy_id, t.title

order by 1,2;

Print-Screen:

```
1-- TEMA 2
2-- Popescu Paullo Robertto Karloss Grupa 2311
3
4--10
5select m.first_name as "Nume", m.last_name as "Prenume", c.copy_id as "Cod exemplar", t.title as "Titlu", count(t.title_id) as "Nr. Imprumuturi"
6from member m, title_copy c, title t, rental r
7where m.member_id = r.member_id
8and r.title_id = c.title_id
9and c.copy_id = r.copy_id
10and t.title_id = c.title_id
11group by m.first name, m.last name, c.copy id, t.title
12order by 1,2;
13
14--12 a.
15select Data, (select count(*)
16from rental
17where extract(month from Data) = extract(month from book_date)
18and extract(day from Data) = extract(day from book_date)) as "Imprumuturi"
19from(select (last_day(add_months(sysdate, -1)) + rownum) as Data from dual connect by ROWNUM <= 2)
20order by 1;
21
```

Nume	Prenume	Cod exemplar	Titlu	Nr. Imprumuturi
1	Carmen Velasquez	1	Alien Again	1
2	Carmen Velasquez	1	Interstellar Wars	1
3	Carmen Velasquez	1	Willie and Christmas Too	1
4	Carmen Velasquez	2	Alien Again	2
5	Carmen Velasquez	3	Mv Day Off	1
6	LaDoris Ngao	2	Alien Again	1
7	LaDoris Ngao	2	Interstellar Wars	1
8	LaDoris Ngao	2	Willie and Christmas Too	1
9	LaDoris Ngao	3	Mv Day Off	1
10	Mark Quick-To-See	1	Alien Again	1
11	Mark Quick-To-See	1	Interstellar Wars	1
12	Midori Nagavama	2	Mv Day Off	1
13	Molly Urauhart	1	Soda Gand	1
14	Molly Urauhart	2	Alien Again	1

12) Cerința: Pentru anumite zile specificate din luna curentă, obțineți numărul de împrumuturi efectuate.

a) Se iau în considerare doar primele 2 zile din lună.

Rezolvare:

```
select Data, (select count(*)
```

```
from rental
```

```
where extract(month from Data) = extract(month from book_date)
```

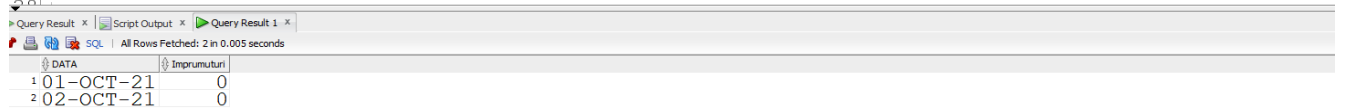
```
and extract(day from Data) = extract(day from book_date)) as "Imprumuturi"
```

```
from(select (last_day(add_months(sysdate, -1)) + rownum) as Data from dual connect by
ROWNUM <= 2)
```

order by 1;

Print-Screen:

```
14 --12 a.
15 select Data, (select count(*)
16               from rental
17               where extract(month from Data) = extract(month from book_date)
18                 and extract(day from Data) = extract(day from book_date)) as "Imprumuturi"
19 from (select (last_day(add_months(sysdate, -1)) + rownum) as Data from dual connect by rownum <= 2)
20 order by 1;
21
22 --12 b.
23 select book_date, count(*) as "Imprumuturi"
24 from rental
25 where extract(month from sysdate) = extract(month from book_date)
26 group by book_date
27 order by 1;
```



DATA	Imprumuturi
01-OCT-21	0
02-OCT-21	0

b) Se iau în considerare doar zilele din lună în care au fost efectuate împrumuturi.

Rezolvare:

```
select book_date, count(*) as "Imprumuturi"

from rental

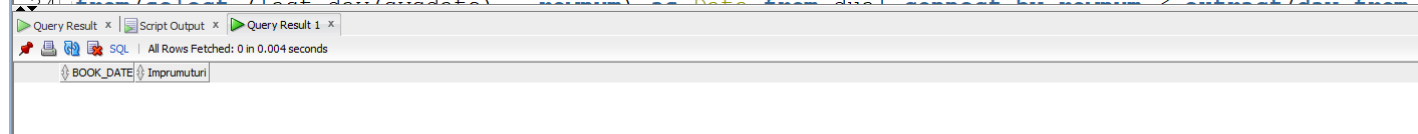
where extract(month from sysdate) = extract(month from book_date)

group by book_date

order by 1;
```

Print-Screen:

```
22 --12 b.
23 select book_date, count(*) as "Imprumuturi"
24 from rental
25 where extract(month from sysdate) = extract(month from book_date)
26 group by book_date
27 order by 1;
28
29 --12 c.
30 select Data, (select count(*)
31               from rental
32               where extract(day from Data) = extract(day from book_date)
33                 and extract(month from book_date) = extract(month from Data)) as "Imprumuturi"
34 from (select (last_day(add_months(sysdate, -1)) + rownum) as Data from dual connect by rownum <= 2)
```



BOOK_DATE	Imprumuturi
01-OCT-21	0
02-OCT-21	0

c) Se iau în considerare toate zilele din lună, incluzând în rezultat și zilele în care nu au fost efectuate împrumuturi.

Rezolvare:

```
select Data, (select count(*)  
              from rental  
              where extract(day from Data) = extract(day from book_date)  
                    and extract(month from book_date) = extract(month from Data)) as "Imprumuturi"  
from(select (last_day(sysdate) - rownum) as Data from dual connect by rownum < extract(day  
from last_day(sysdate)))  
  
order by 1;
```

Print-Screen:

```
30 select Data, (select count(*)  
31           from rental  
32           where extract(day from Data) = extract(day from book_date)  
33           and extract(month from book_date) = extract(month from Data)) as "Imprumuturi"  
34 from(select (last_day(sysdate) - rownum) as Data from dual connect by rownum < extract(day from last_day(sysdate)))  
35 order by 1;
```

DATA	Imprumuturi
01-OCT-21	0
02-OCT-21	0
03-OCT-21	0
04-OCT-21	0
05-OCT-21	0
06-OCT-21	0
07-OCT-21	0
08-OCT-21	0
09-OCT-21	0
10-OCT-21	0
11-OCT-21	0
12-OCT-21	0
13-OCT-21	0
14-OCT-21	0
15-OCT-21	0
16-OCT-21	0
17-OCT-21	0
18-OCT-21	0
19-OCT-21	0
20-OCT-21	0
21-OCT-21	0
22-OCT-21	0
23-OCT-21	0
24-OCT-21	0
25-OCT-21	0
26-OCT-21	0
27-OCT-21	0
28-OCT-21	0
29-OCT-21	0
30-OCT-21	0

Dbms Output
Buffer Size: 20000

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