Pietroiu Robert Adrian

Grupa 1058E

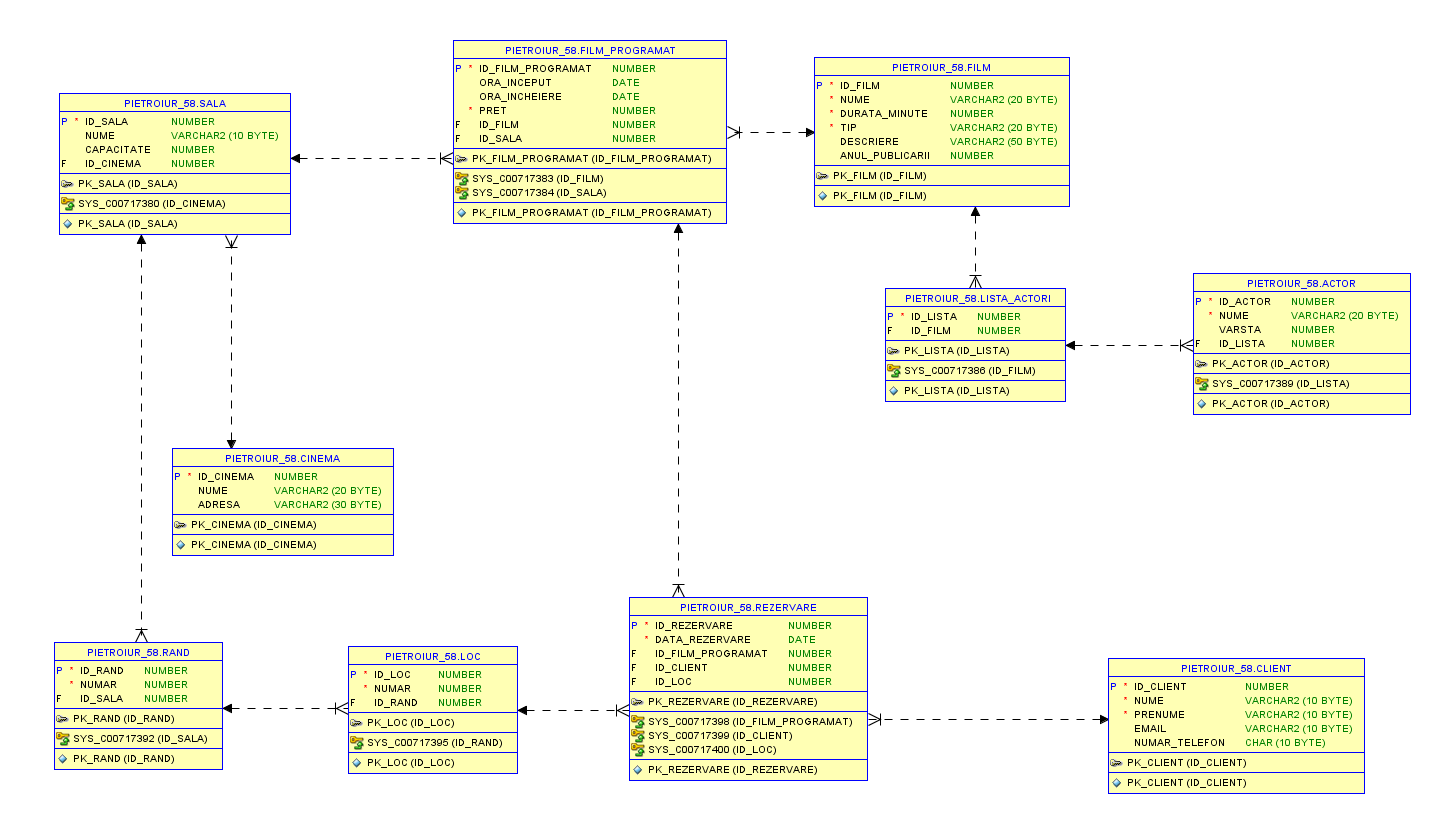
Proiect Baze de Date

**Descriere:**

Proiectul consta intr-o baza de date in care sunt stocate informatiile necesare unui sistem de rezervare a biletelor pentru cinema. Astfel, aceasta consta in implementarea urmatoarelor tabele:

* ***Client:*** – tabela in care sunt inregistrati clientii ce isi rezerva biletele pentru vizionarea filmului, continand urmatoarele coloane: ID\_client (cheie primara), nume, prenume, email, numar\_telefon
* ***Rezervare:*** – tabela in care sunt stocate inregistrarile facute de catre clienti. Aceasta contine: ID\_rezervare (cheie primara), data\_rezervare, id\_film\_programat (cheie externa), id\_client (cheie externa), id\_loc (cheie externa).
* ***Loc:*** – tabela ce face referire la locul in care vor sta clientii aferenti rezervarilor, formata din: id\_loc (cheie primara), numar, id\_rand (cheie externa).
* ***Rand:*** – tabela ce face referire la modul in care sunt organizate locurile. Contine: id\_rand (cheie primara), numar, id\_sala (cheie externa).
* ***Sala:*** – tabela in care se stocheaza informatii despre sala in care se difuzeaza filmul : id\_sala (cheie primara), nume, capacitate, cinema (cheie externa).
* ***Cinema:*** – tabela ce face referire la cinema-ul la care a fost facuta rezervarea : id\_cinema (cheie primara), nume, adresa.
* ***Film:*** – tabela ce contine informatii utile despre filmul ce urmeaza a fi difuzat, precum: id\_film (cheie primara), nume, durata\_minute, tip, descriere, anul\_publicarii.
* ***Film\_programat:*** – tabela ce contine o noua serie de informatii cu privire la film: id\_film\_programat (cheie primara), ora\_inceput, ora\_incheiere, pret, id\_film (cheie externa), id\_sala (cheie externa).
* ***Lista\_actori:*** tabela ce face referire la lista in care sunt inregistrati actorii ce joaca in filmul respectiv. Aceasta contine: id\_lista (cheie primara), id\_film (cheie secundara).
* ***Actor:*** tabela in care sunt salvate informatiile fiecarui actor: id\_actor (cheie primara), nume, varsta, id\_lista (cheie secundara).

**Schema bazei de date:**



**Codul sursa aferent bazei de date:**

CREATE TABLE CLIENT (

id\_client NUMBER CONSTRAINT pk\_client PRIMARY KEY,

nume VARCHAR(10) NOT NULL,

prenume VARCHAR(10) NOT NULL,

email VARCHAR(80),

numar\_telefon CHAR(10)

);

CREATE TABLE CINEMA (

id\_cinema NUMBER CONSTRAINT pk\_cinema PRIMARY KEY,

nume VARCHAR(80),

adresa VARCHAR(80)

);

CREATE TABLE FILM (

id\_film NUMBER CONSTRAINT pk\_film PRIMARY KEY,

nume VARCHAR(80) NOT NULL,

durata\_minute NUMBER NOT NULL,

tip VARCHAR(20) NOT NULL,

descriere VARCHAR(50),

anul\_publicarii NUMBER

);

CREATE TABLE SALA (

id\_sala NUMBER CONSTRAINT pk\_sala PRIMARY KEY,

nume VARCHAR(10),

capacitate NUMBER,

id\_cinema NUMBER REFERENCES CINEMA(id\_cinema)

);

CREATE TABLE FILM\_PROGRAMAT (

id\_film\_programat NUMBER CONSTRAINT pk\_film\_programat PRIMARY KEY,

ora\_inceput VARCHAR(10),

ora\_incheiere VARCHAR(10),

pret NUMBER NOT NULL,

id\_film NUMBER REFERENCES FILM(id\_film),

id\_sala NUMBER REFERENCES SALA(id\_sala)

);

CREATE TABLE LISTA\_ACTORI (

id\_lista NUMBER CONSTRAINT pk\_lista PRIMARY KEY,

id\_film NUMBER REFERENCES FILM(id\_film)

);

CREATE TABLE ACTOR (

id\_actor NUMBER CONSTRAINT pk\_actor PRIMARY KEY,

nume VARCHAR(20) NOT NULL,

varsta NUMBER,

id\_lista NUMBER REFERENCES LISTA\_ACTORI(id\_lista)

);

CREATE TABLE RAND (

id\_rand NUMBER CONSTRAINT pk\_rand PRIMARY KEY,

numar NUMBER NOT NULL,

id\_sala NUMBER REFERENCES SALA(id\_sala)

);

CREATE TABLE LOC (

id\_loc NUMBER CONSTRAINT pk\_loc PRIMARY KEY,

numar NUMBER NOT NULL,

id\_rand NUMBER REFERENCES RAND(id\_rand)

);

CREATE TABLE REZERVARE (

id\_rezervare NUMBER CONSTRAINT pk\_rezervare PRIMARY KEY,

data\_rezervare DATE NOT NULL,

id\_film\_programat NUMBER REFERENCES FILM\_PROGRAMAT(id\_film\_programat),

id\_client NUMBER REFERENCES CLIENT(id\_client),

id\_loc NUMBER REFERENCES LOC(id\_loc)

);

**Codul aferent inregistrarii datelor in baza de date:**

INSERT INTO CLIENT VALUES (100, 'Pietroiu', 'Robert', 'pietroiurobert65@gmail.com', '0765126290');

INSERT INTO CLIENT VALUES (101, 'Oprea', 'Ovidiu', 'operaovidiu12@gmail.com', '0765124536');

INSERT INTO CLIENT VALUES (102, 'Popa', 'Alexandru', 'popaalexandru54@gmail.com', '0765456899');

INSERT INTO CLIENT VALUES (103, 'Popa', 'Romeo', 'poparomeo88@gmail.com', '0762455671');

INSERT INTO CLIENT VALUES (104, 'Davidoiu', 'Adrian', 'davidoiuadrian24@gmail.com', '0723441577');

INSERT INTO CLIENT VALUES (105, 'Stoica', 'Ionut', 'stoicaionut99@gmail.com', '0798567743');

INSERT INTO CLIENT VALUES (106, 'Florea', 'Marian', 'floareamarian25@gmail.com', '0767562433');

INSERT INTO CLIENT VALUES (107, 'Cristea', 'Bogdan', 'cristeabogdan07@gmail.com', '0787674212');

INSERT INTO CINEMA VALUES (301, 'CINEMA CITY BUZAU', 'Bulevardul Doina Cornea 4, Bucure?ti');

INSERT INTO FILM VALUES(123, 'RUSH HOUR', 120, 'ACTIUNE', '...', 1998);

INSERT INTO LISTA\_ACTORI VALUES(55, 123);

INSERT INTO ACTOR VALUES (624, 'Tzi Ma', 60, 55);

INSERT INTO ACTOR VALUES (231, 'Jackie Chan', 68, 55);

INSERT INTO ACTOR VALUES (134, 'Chris Tucker', 51,55);

INSERT INTO SALA VALUES (1, 'S1', 50, 301);

INSERT INTO FILM\_PROGRAMAT VALUES(13, '20:00', '22:00', 15, 123, 1);

INSERT INTO RAND VALUES (1, 2, 1);

INSERT INTO LOC VALUES (1, 1, 1);

INSERT INTO LOC VALUES (2, 2, 1);

INSERT INTO LOC VALUES (3, 3, 1);

INSERT INTO LOC VALUES (4, 4, 1);

INSERT INTO LOC VALUES (5, 5, 1);

INSERT INTO LOC VALUES (6, 6, 1);

INSERT INTO LOC VALUES (7, 7, 1);

INSERT INTO LOC VALUES (8, 8, 1);

INSERT INTO REZERVARE VALUES (410, to\_date('24-11-2022', 'dd-mm-yyyy'), 13, 100, 1);

INSERT INTO REZERVARE VALUES (411, to\_date('20-11-2022', 'dd-mm-yyyy'), 13, 101, 2);

INSERT INTO REZERVARE VALUES (412, to\_date('21-11-2022', 'dd-mm-yyyy'), 13, 102, 3);

INSERT INTO REZERVARE VALUES (413, to\_date('25-11-2022', 'dd-mm-yyyy'), 13, 103, 4);

INSERT INTO REZERVARE VALUES (414, to\_date('26-11-2022', 'dd-mm-yyyy'), 13, 104, 5);

INSERT INTO REZERVARE VALUES (415, to\_date('24-11-2022', 'dd-mm-yyyy'), 13, 105, 6);

INSERT INTO REZERVARE VALUES (416, to\_date('24-11-2022', 'dd-mm-yyyy'), 13, 106, 7);

INSERT INTO REZERVARE VALUES (417, to\_date('25-11-2022', 'dd-mm-yyyy'), 13, 107, 8);

INSERT INTO CLIENT VALUES (108, 'Velea', 'Alin', 'veleaalin33@gmail.com', '0755247681');

INSERT INTO CLIENT VALUES (109, 'Preda', 'Marina', 'predamarina27@gmail.com', '0757342581');

INSERT INTO CLIENT VALUES (110, 'Constantin', 'Mihai', 'constmihai88@gmail.com', '0723451324');

INSERT INTO CLIENT VALUES (111, 'Globasu', 'Gabriel', 'globasugabriel90@gmail.com', '0765989152');

INSERT INTO CLIENT VALUES (112, 'Ghita', 'Mihai', 'ghitamihai56@gmail.com', '0765871255');

INSERT INTO CLIENT VALUES (113, 'Teodorescu', 'Alexandru', 'teodorescualexandru66@gmail.com', '0765871503');

INSERT INTO CLIENT VALUES (114, 'Popa', 'Razvan', 'poparazvan12@gmail.com', '0762349177');

INSERT INTO CLIENT VALUES (115, 'Prus', 'Dragos', 'prusdragos13@gmail.com', '0763892651');

INSERT INTO CLIENT VALUES (116, 'Hagiu', 'Ioana', 'hagiuioana1235@gmail.com', '0769251426');

INSERT INTO CLIENT VALUES (117, 'Tau', 'Raluca', 'tauraluca782@gmail.com', '0757825433');

INSERT INTO CLIENT VALUES (118, 'Tarara', 'Robert', 'tarararobert999@gmail.com', '0789265437');

INSERT INTO CINEMA VALUES (600, 'CINEMA CITY BUZAU', 'Bulevardul Unirii 232, Buzău 120021');

INSERT INTO FILM VALUES(124, '

Spider-Man: No Way Home', 148, 'ACTIUNE', '...', 2021);

INSERT INTO LISTA\_ACTORI VALUES(60, 124);

INSERT INTO ACTOR VALUES (1023, 'Tom Holland', 26, 60);

INSERT INTO ACTOR VALUES (1024, 'Zendaya', 26, 60);

INSERT INTO ACTOR VALUES (1025, 'Benedict Cumberbatch', 46, 60);

INSERT INTO SALA VALUES (2, 'sala A', 30, 600);

INSERT INTO FILM\_PROGRAMAT VALUES(20, '19:00', '21:24', 20, 124, 2);

INSERT INTO RAND VALUES (3, 1, 2);

INSERT INTO LOC VALUES (21, 1, 3);

INSERT INTO LOC VALUES (12, 2, 3);

INSERT INTO LOC VALUES (13, 3, 3);

INSERT INTO LOC VALUES (14, 4, 3);

INSERT INTO LOC VALUES (15, 5, 3);

INSERT INTO LOC VALUES (16, 6, 3);

INSERT INTO LOC VALUES (17, 7, 3);

INSERT INTO LOC VALUES (18, 8, 3);

INSERT INTO REZERVARE VALUES (418, to\_date('24-11-2022', 'dd-mm-yyyy'), 20, 108, 21);

INSERT INTO REZERVARE VALUES (419, to\_date('20-11-2022', 'dd-mm-yyyy'), 20, 100, 12);

INSERT INTO REZERVARE VALUES (420, to\_date('21-11-2022', 'dd-mm-yyyy'), 20, 109, 13);

INSERT INTO REZERVARE VALUES (422, to\_date('26-11-2022', 'dd-mm-yyyy'), 20, 111, 15);

INSERT INTO REZERVARE VALUES (423, to\_date('24-11-2022', 'dd-mm-yyyy'), 20, 112, 16);

INSERT INTO REZERVARE VALUES (424, to\_date('24-11-2022', 'dd-mm-yyyy'), 20, 113, 17);

INSERT INTO REZERVARE VALUES (425, to\_date('25-11-2022', 'dd-mm-yyyy'), 20, 114, 18);

INSERT INTO SALA VALUES(3, 'S2', 40, 301);

INSERT INTO SALA VALUES(4, 'S3', 100, 301);

INSERT INTO SALA VALUES(5, 'S4', 120, 301);

INSERT INTO SALA VALUES(6, 'Sala B', 70, 301);

**Update inregistrari:**

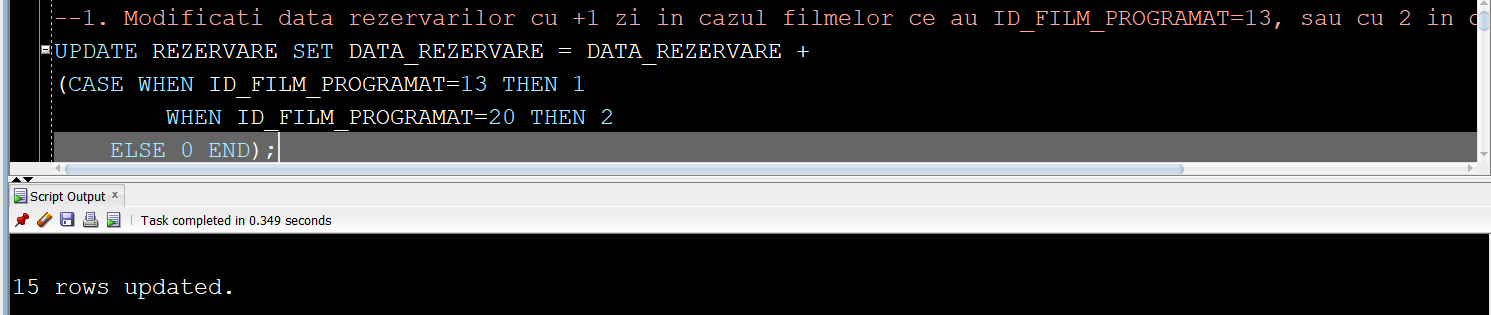
***--1. Modificati data rezervarilor cu +1 zi in cazul filmelor ce au ID\_FILM\_PROGRAMAT=13, sau cu 2 in cazul ID\_FILM\_PROGRAMAT=20***

UPDATE REZERVARE SET DATA\_REZERVARE = DATA\_REZERVARE +

(CASE WHEN ID\_FILM\_PROGRAMAT=13 THEN 1

WHEN ID\_FILM\_PROGRAMAT=20 THEN 2

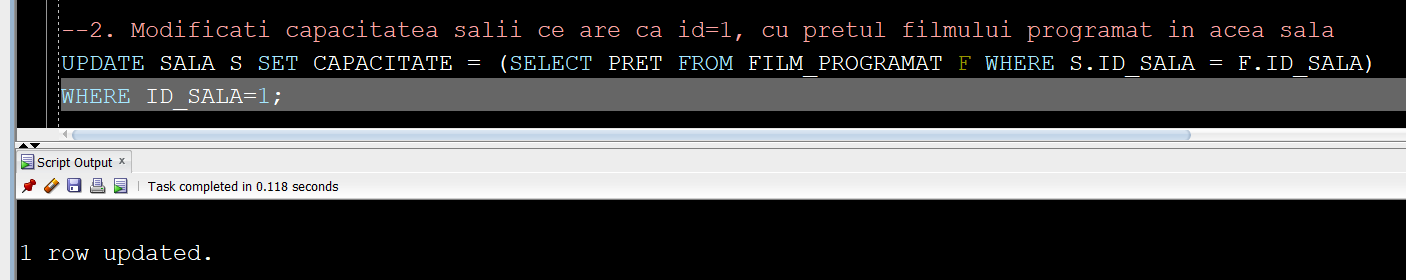
ELSE 0 END);



***--2. Modificati capacitatea salii ce are ca id=1, cu pretul filmului programat in acea sala***

UPDATE SALA S SET CAPACITATE = (SELECT PRET FROM FILM\_PROGRAMAT F WHERE S.ID\_SALA = F.ID\_SALA)

WHERE ID\_SALA=1;

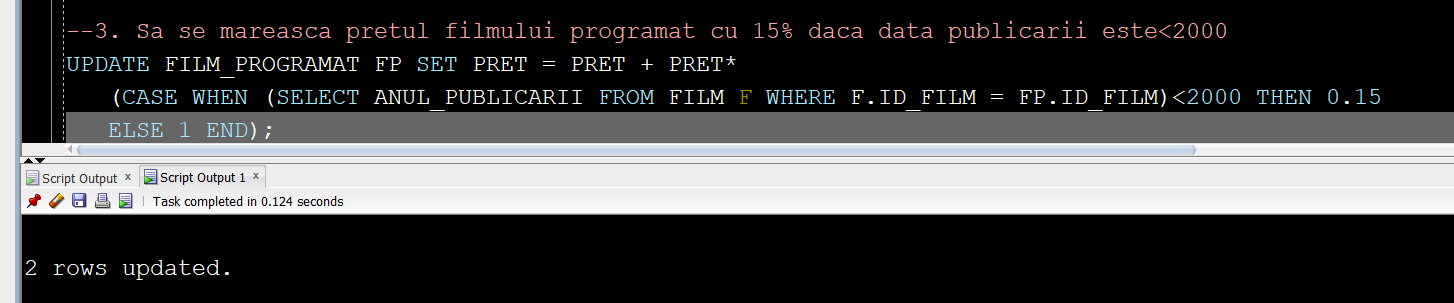


***--3. Sa se mareasca pretul filmului programat cu 15% daca data publicarii este<2000***

UPDATE FILM\_PROGRAMAT FP SET PRET = PRET + PRET\*

(CASE WHEN (SELECT ANUL\_PUBLICARII FROM FILM F WHERE F.ID\_FILM = FP.ID\_FILM)<2000 THEN 0.15

ELSE 1 END);



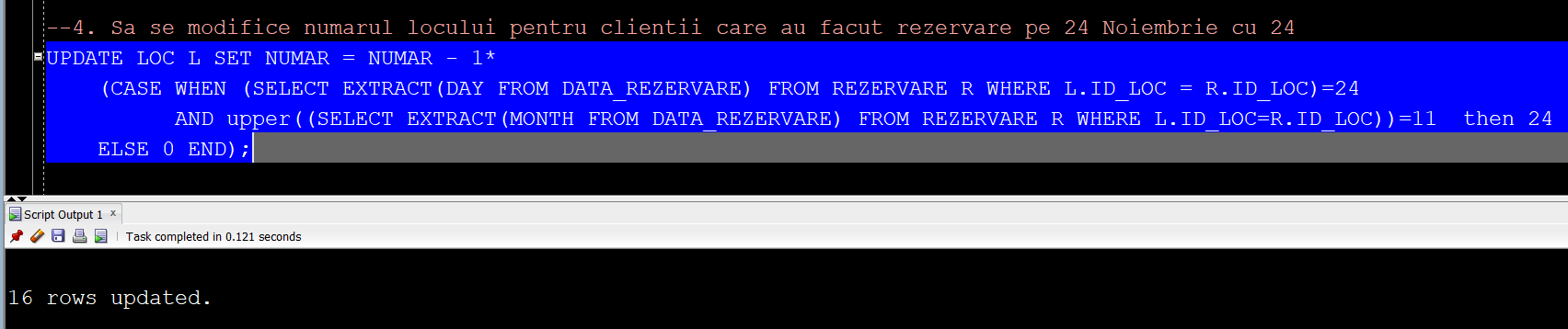
***--4. Sa se modifice numarul locului pentru clientii care au facut rezervare pe 24 Noiembrie cu 24***

UPDATE LOC L SET NUMAR = NUMAR - 1\*

(CASE WHEN (SELECT EXTRACT(DAY FROM DATA\_REZERVARE) FROM REZERVARE R WHERE L.ID\_LOC = R.ID\_LOC)=24

AND upper((SELECT EXTRACT(MONTH FROM DATA\_REZERVARE) FROM REZERVARE R WHERE L.ID\_LOC=R.ID\_LOC))=11 then 24

ELSE 0 END);



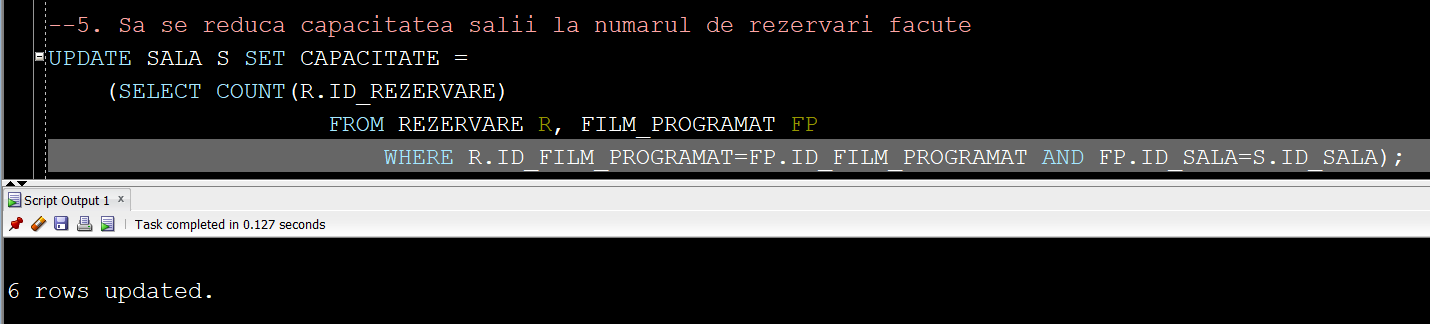
***--5. Sa se reduca capacitatea salii la numarul de rezervari facute***

UPDATE SALA S SET CAPACITATE =

(SELECT COUNT(R.ID\_REZERVARE)

FROM REZERVARE R, FILM\_PROGRAMAT FP

WHERE R.ID\_FILM\_PROGRAMAT=FP.ID\_FILM\_PROGRAMAT AND FP.ID\_SALA=S.ID\_SALA);

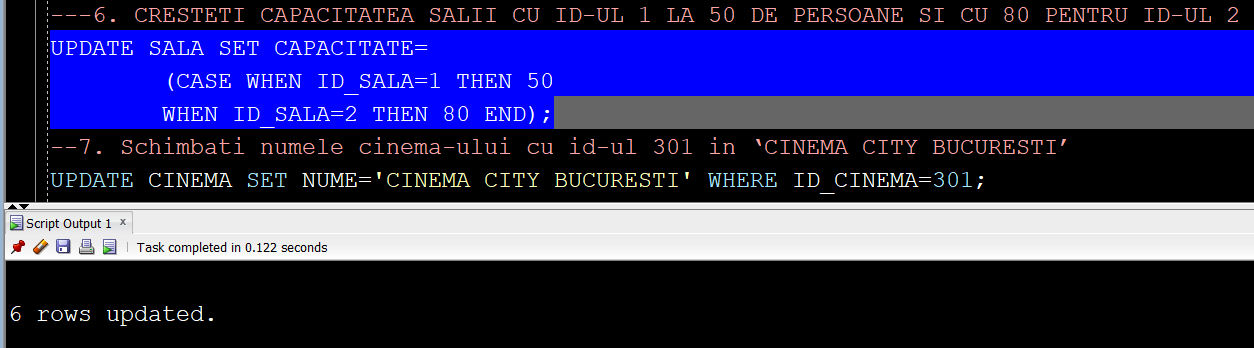


***---6. CRESTETI CAPACITATEA SALII CU ID-UL 1 LA 50 DE PERSOANE SI CU 80 PENTRU ID-UL 2***

UPDATE SALA SET CAPACITATE=

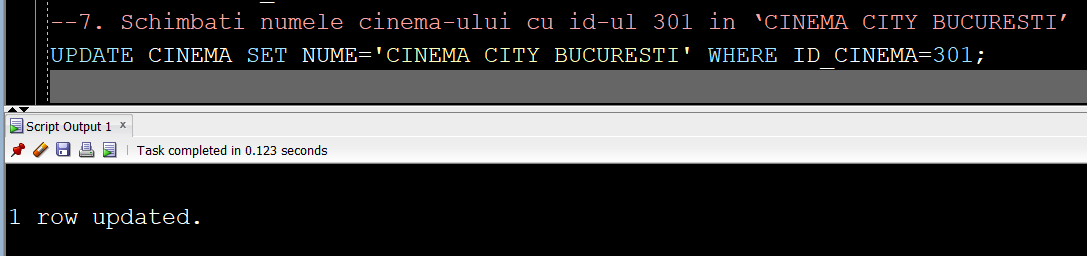
(CASE WHEN ID\_SALA=1 THEN 50

WHEN ID\_SALA=2 THEN 80 END);



***--7. Schimbati numele cinema-ului cu id-ul 301 in ‘CINEMA CITY BUCURESTI’***

UPDATE CINEMA SET NUME='CINEMA CITY BUCURESTI' WHERE ID\_CINEMA=301;

****

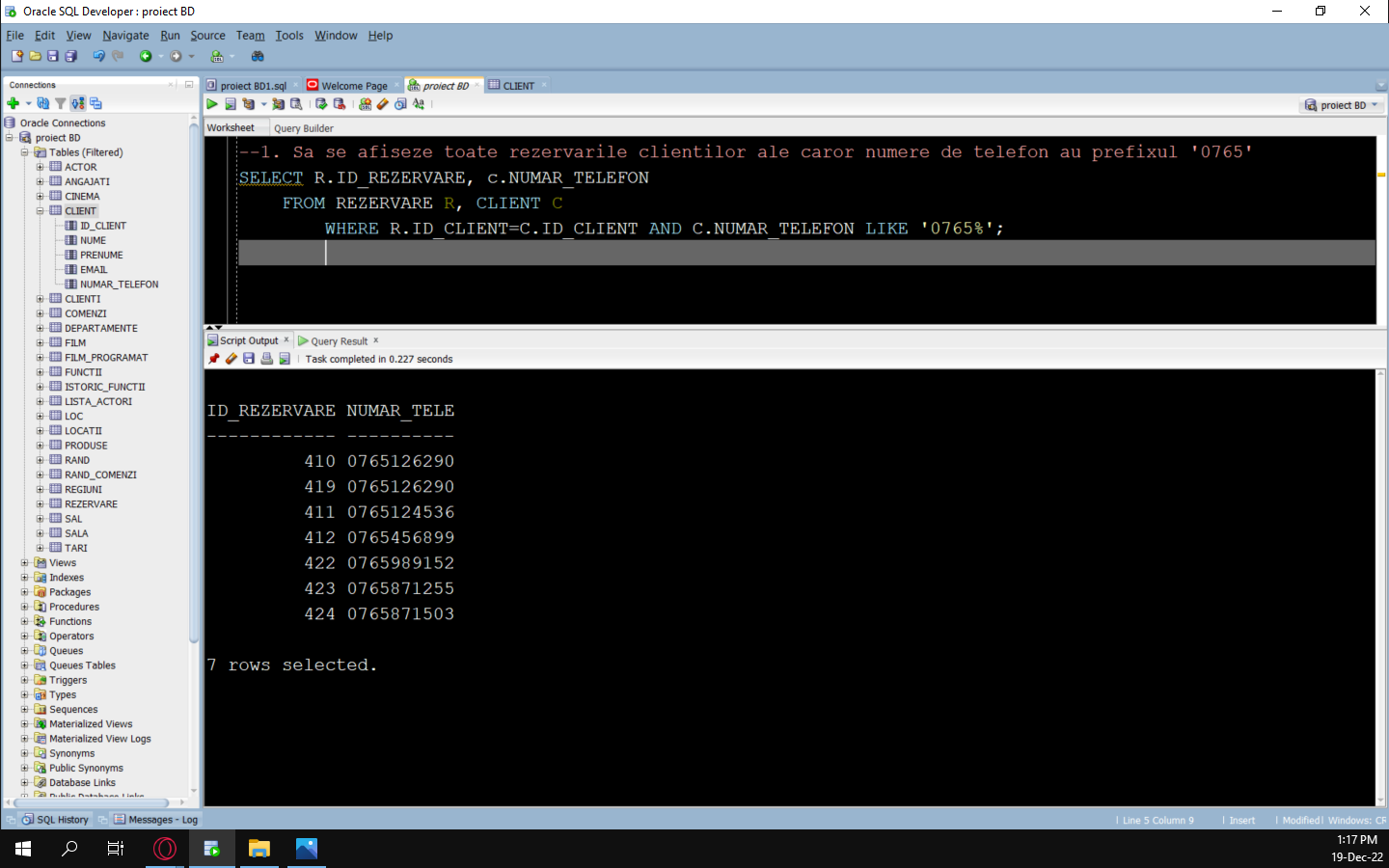
**Exemple de interogari ale inregistrarilor:**

1. **Utilizand jonctiuni**

***--1. Sa se afiseze toate rezervarile clientilor ale caror numere de telefon au prefixul '0765'***

SELECT R.ID\_REZERVARE, c.NUMAR\_TELEFON

FROM REZERVARE R, CLIENT C

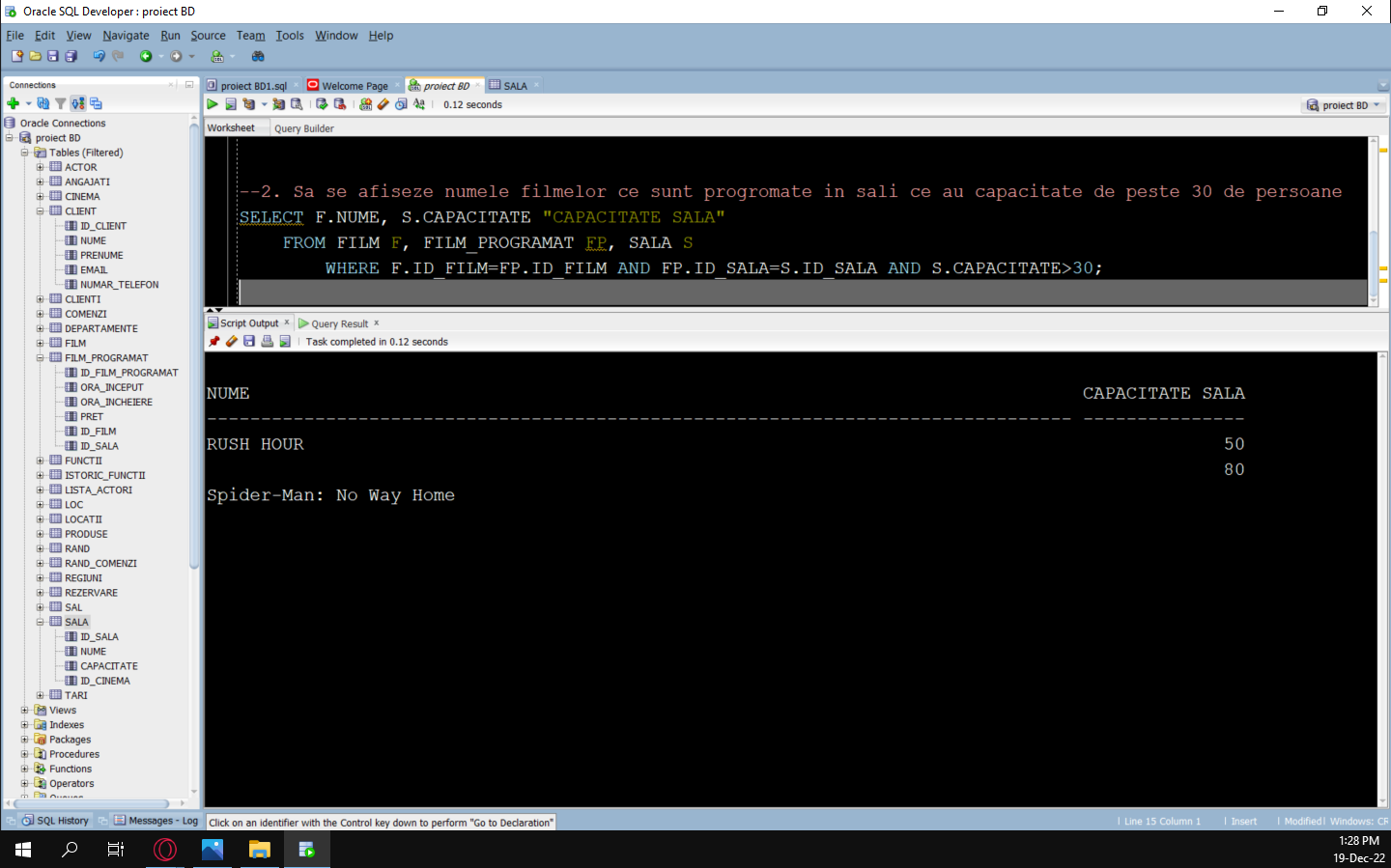
WHERE R.ID\_CLIENT=C.ID\_CLIENT AND C.NUMAR\_TELEFON LIKE '0765%';

***---2. Sa se afiseze numele filmelor ce sunt progromate in sali ce au capacitate de peste 30 de personae***

SELECT F.NUME, S.CAPACITATE "CAPACITATE SALA"

FROM FILM F, FILM\_PROGRAMAT FP, SALA S

WHERE F.ID\_FILM=FP.ID\_FILM AND FP.ID\_SALA=S.ID\_SALA AND S.CAPACITATE>30;



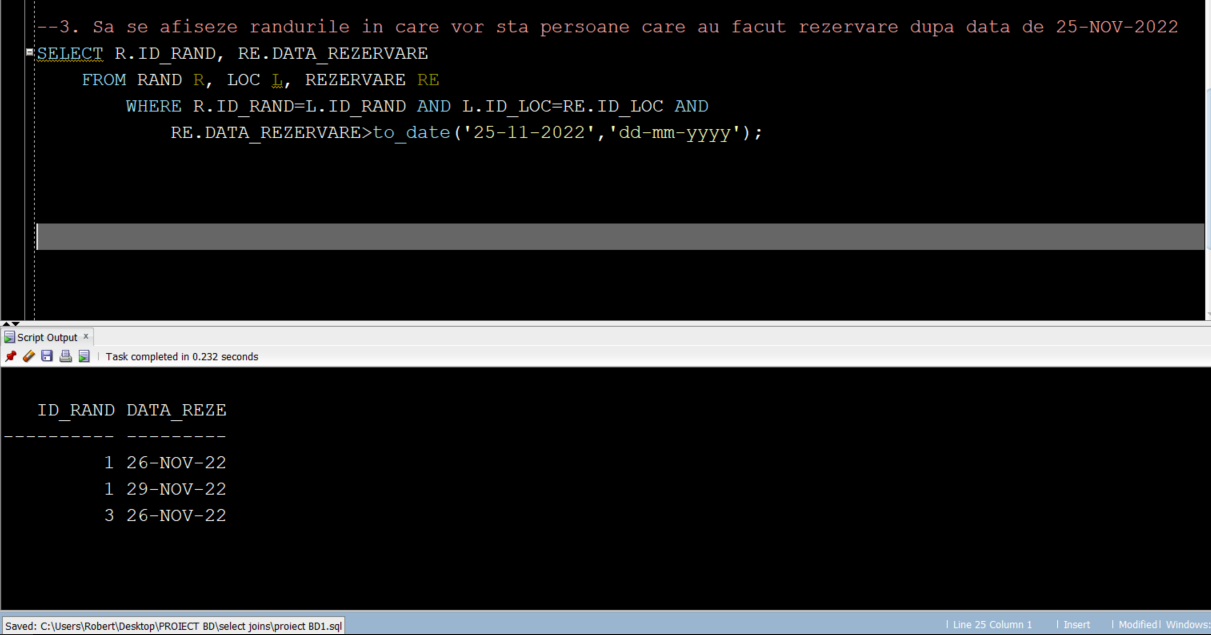
***--3. Sa se afiseze randurile in care vor sta persoane care au facut rezervare dupa data de 25-NOV-2022***

SELECT R.ID\_RAND, RE.DATA\_REZERVARE

FROM RAND R, LOC L, REZERVARE RE

WHERE R.ID\_RAND=L.ID\_RAND AND L.ID\_LOC=RE.ID\_LOC AND

RE.DATA\_REZERVARE>to\_date('25-11-2022','dd-mm-yyyy');



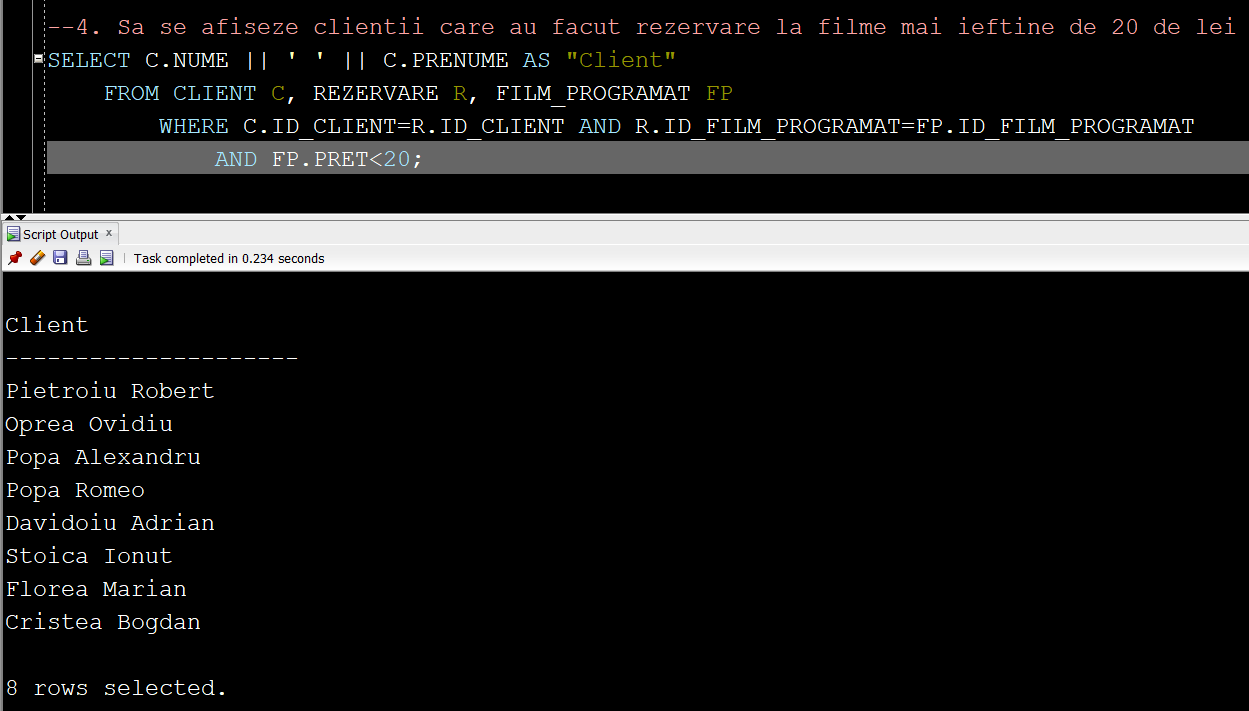
***--4. Sa se afiseze clientii care au facut rezervare la filme mai ieftine de 20 de lei***

SELECT C.NUME || ‘ ‘ || C.PRENUME AS "Client"

FROM CLIENT C, REZERVARE R, FILM\_PROGRAMAT FP

WHERE C.ID\_CLIENT=R.ID\_CLIENT AND R.ID\_FILM\_PROGRAMAT=FP.ID\_FILM\_PROGRAMAT

AND FP.PRET<20;



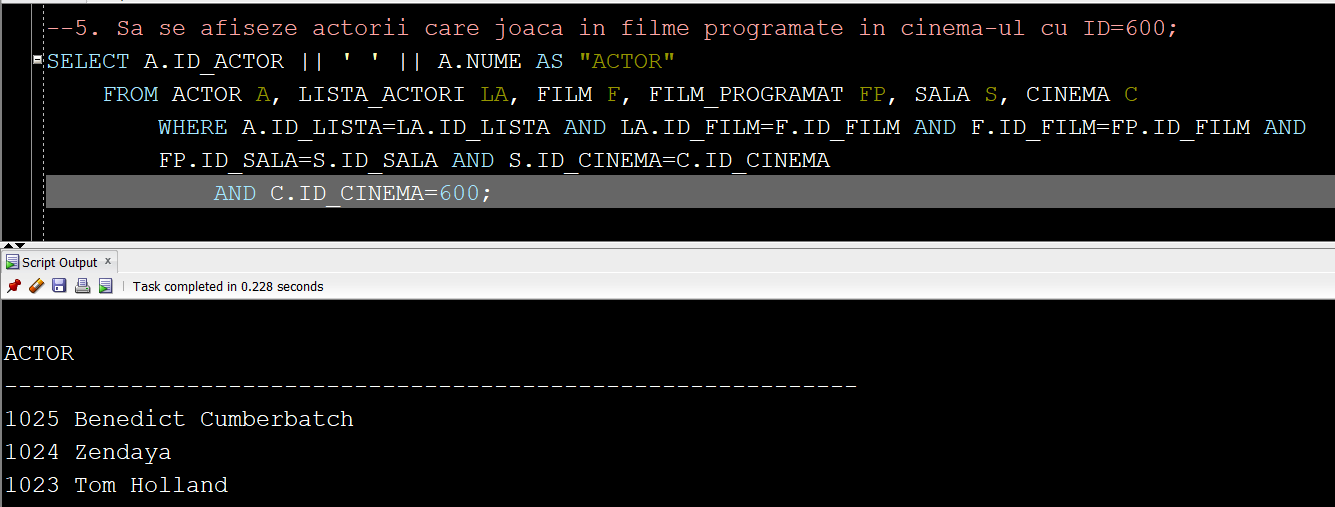
***--5. Sa se afiseze actorii care joaca in filme programate in cinema-ul cu ID=600;***

SELECT A.ID\_ACTOR || ' ' || A.NUME AS "ACTOR"

FROM ACTOR A, LISTA\_ACTORI LA, FILM F, FILM\_PROGRAMAT FP, SALA S, CINEMA C

WHERE A.ID\_LISTA=LA.ID\_LISTA AND LA.ID\_FILM=F.ID\_FILM AND F.ID\_FILM=FP.ID\_FILM AND

FP.ID\_SALA=S.ID\_SALA AND S.ID\_CINEMA=C.ID\_CINEMA AND C.ID\_CINEMA=600;



1. **Utilizand functii de grup**

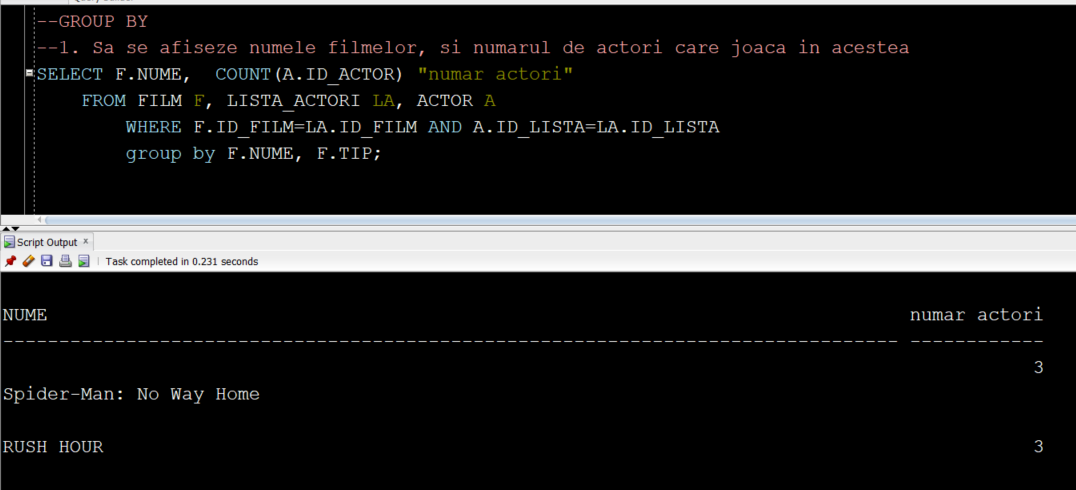
***--1. Sa se afiseze numele filmelor, si numarul de actori care joaca in acestea***

SELECT F.NUME, COUNT(A.ID\_ACTOR) "numar actori"

FROM FILM F, LISTA\_ACTORI LA, ACTOR A

WHERE F.ID\_FILM=LA.ID\_FILM AND A.ID\_LISTA=LA.ID\_LISTA

group by F.NUME, F.TIP;



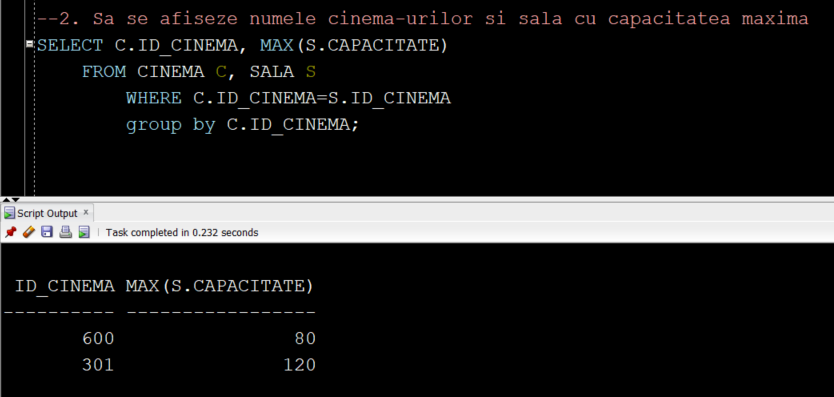
***--2. Sa se afiseze numele cinema-urilor si sala cu capacitatea maxima***

SELECT C.ID\_CINEMA, MAX(S.CAPACITATE)

FROM CINEMA C, SALA S

WHERE C.ID\_CINEMA=S.ID\_CINEMA

group by C.ID\_CINEMA;



***--3. Sa se afiseze filmele cu cei mai tineri actori, alaturi de varsta minima a unui actor***

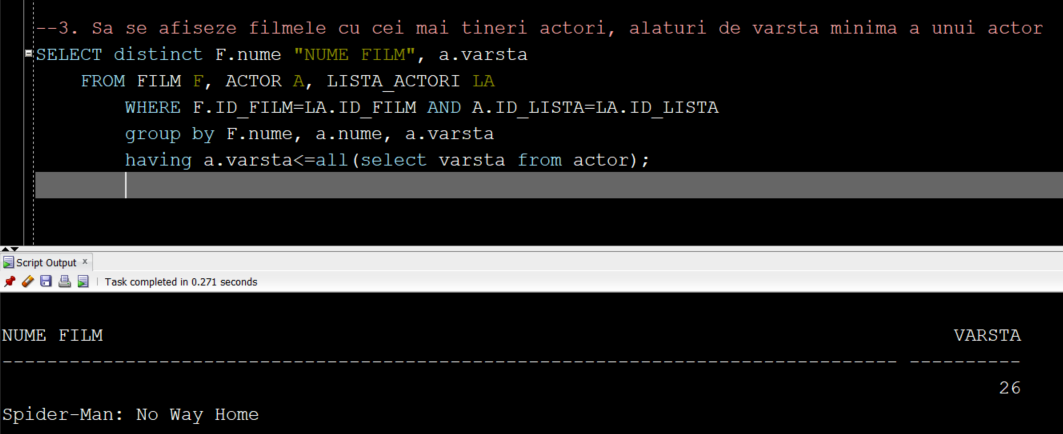
SELECT distinct F.nume "NUME FILM", a.varsta

FROM FILM F, ACTOR A, LISTA\_ACTORI LA

WHERE F.ID\_FILM=LA.ID\_FILM AND A.ID\_LISTA=LA.ID\_LISTA

group by F.nume, a.nume, a.varsta

having a.varsta<=all(select varsta from actor);



***--4. Sa se afiseze zilele in care s-au facut cele mai multe rezervari,***

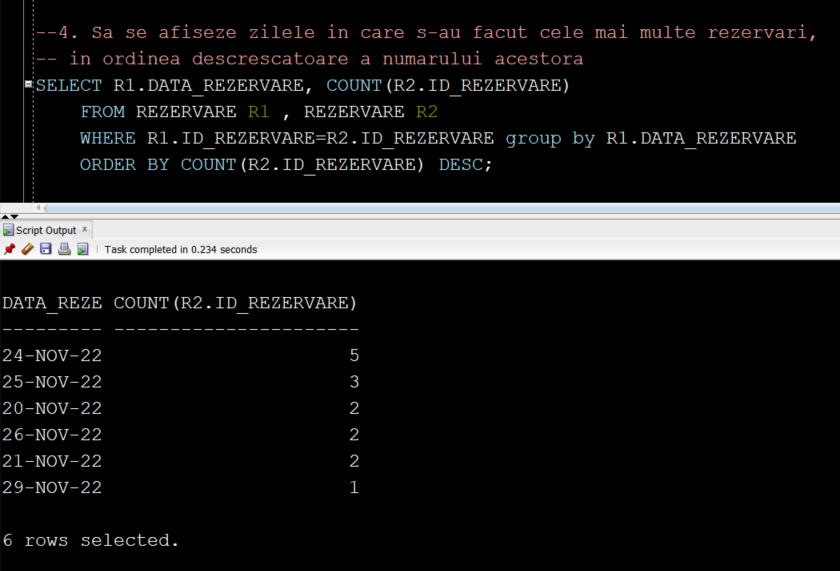
***-- in ordinea descrescatoare a numarului acestora***

SELECT R1.DATA\_REZERVARE, COUNT(R2.ID\_REZERVARE)

FROM REZERVARE R1 , REZERVARE R2

WHERE R1.ID\_REZERVARE=R2.ID\_REZERVARE group by R1.DATA\_REZERVARE

ORDER BY COUNT(R2.ID\_REZERVARE) DESC;



***--5. Sa se afiseze filmul vizionat de cei mai multi clienti***

SELECT MAX(F.NUME) "FILM", COUNT(DISTINCT R1.ID\_REZERVARE) "Numar rezervari"

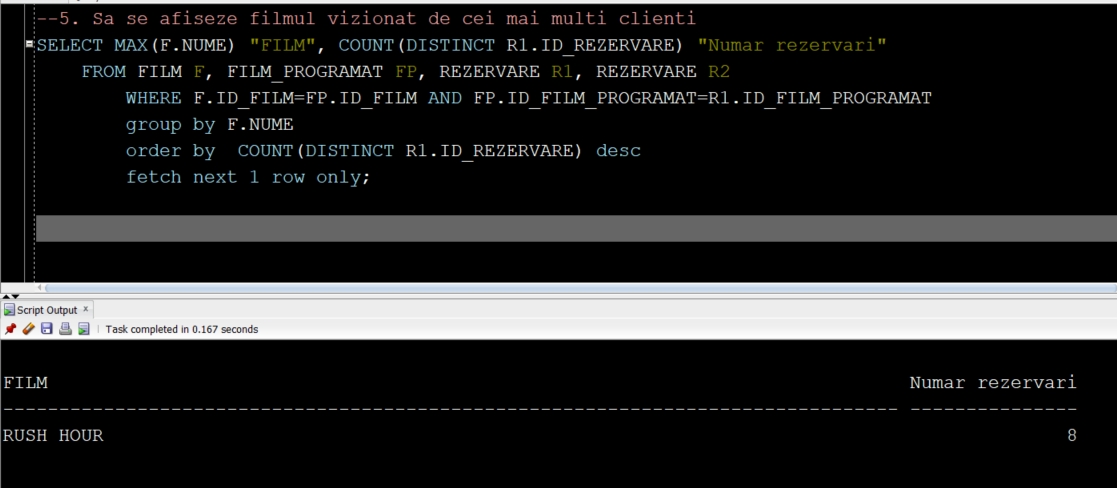
FROM FILM F, FILM\_PROGRAMAT FP, REZERVARE R1, REZERVARE R2

WHERE F.ID\_FILM=FP.ID\_FILM AND FP.ID\_FILM\_PROGRAMAT=R1.ID\_FILM\_PROGRAMAT

group by F.NUME

order by COUNT(DISTINCT R1.ID\_REZERVARE) desc

fetch next 1 row only;



1. **Utilizand subcereri**

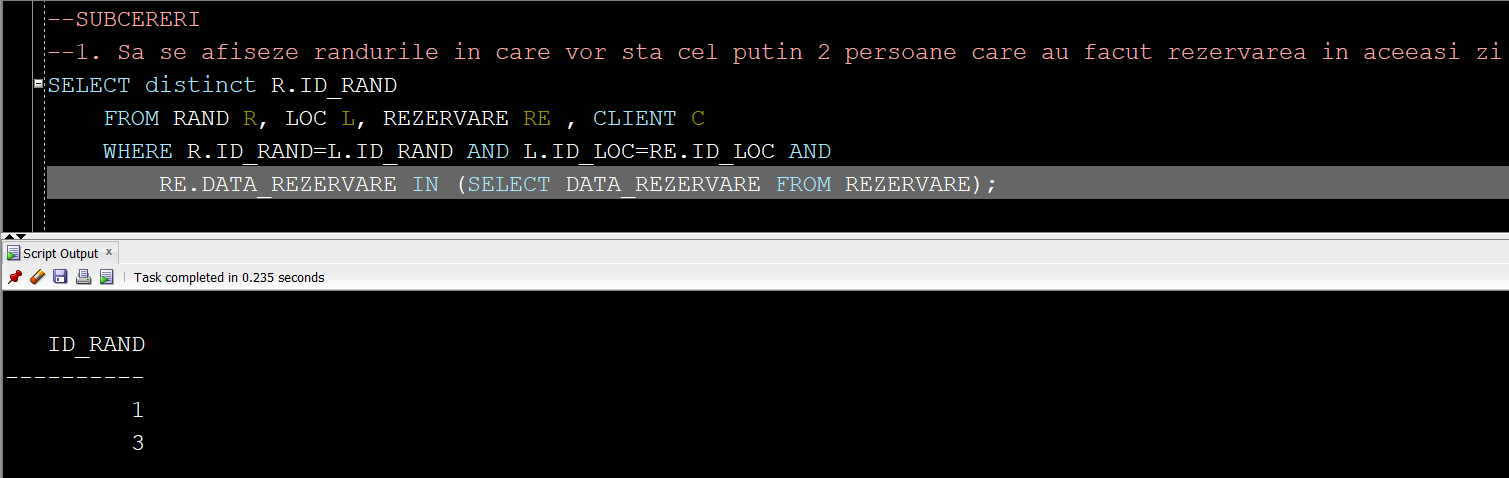
***--1. Sa se afiseze randurile in care vor sta cel putin 2 persoane care au facut rezervarea in aceeasi zi***

SELECT distinct R.ID\_RAND

FROM RAND R, LOC L, REZERVARE RE , CLIENT C

WHERE R.ID\_RAND=L.ID\_RAND AND L.ID\_LOC=RE.ID\_LOC AND

RE.DATA\_REZERVARE IN (SELECT DATA\_REZERVARE FROM REZERVARE);

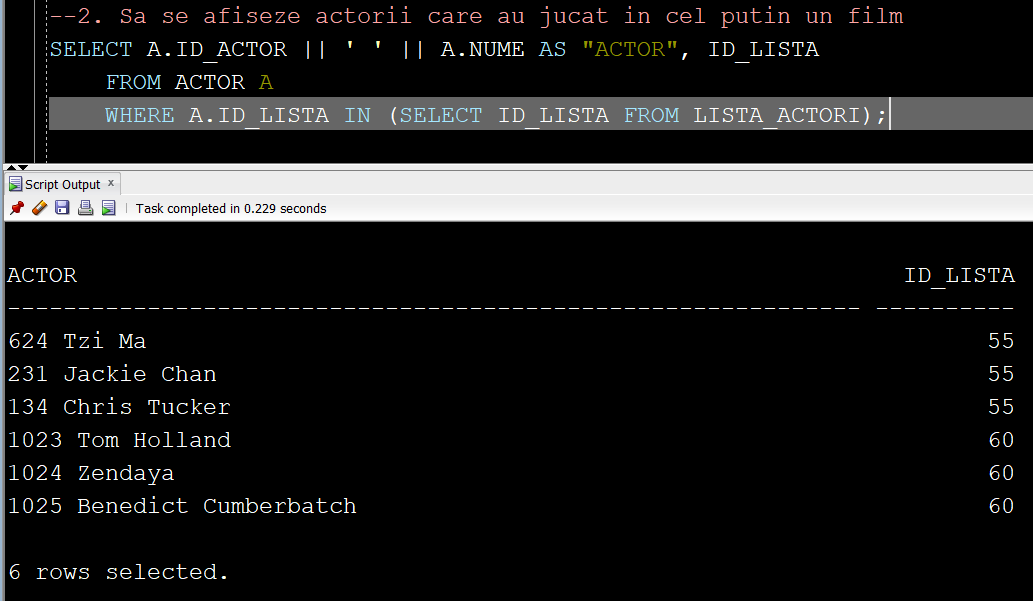


***--2. Sa se afiseze actorii care au jucat in cel putin un film***

SELECT A.ID\_ACTOR || ' ' || A.NUME AS "ACTOR", ID\_LISTA

FROM ACTOR A

WHERE A.ID\_LISTA IN (SELECT ID\_LISTA FROM LISTA\_ACTORI);

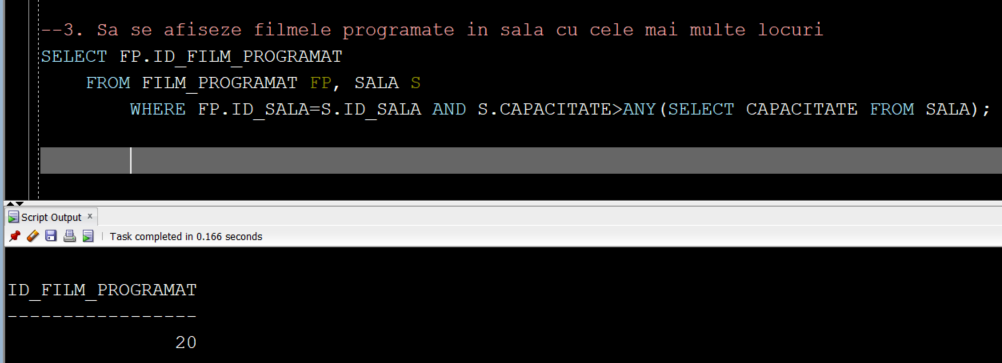


***--3. Sa se afiseze filmele programate in sala cu cele mai multe locuri***

SELECT FP.ID\_FILM\_PROGRAMAT

FROM FILM\_PROGRAMAT FP, SALA S

WHERE FP.ID\_SALA=S.ID\_SALA AND S.CAPACITATE>ANY(SELECT CAPACITATE FROM SALA);



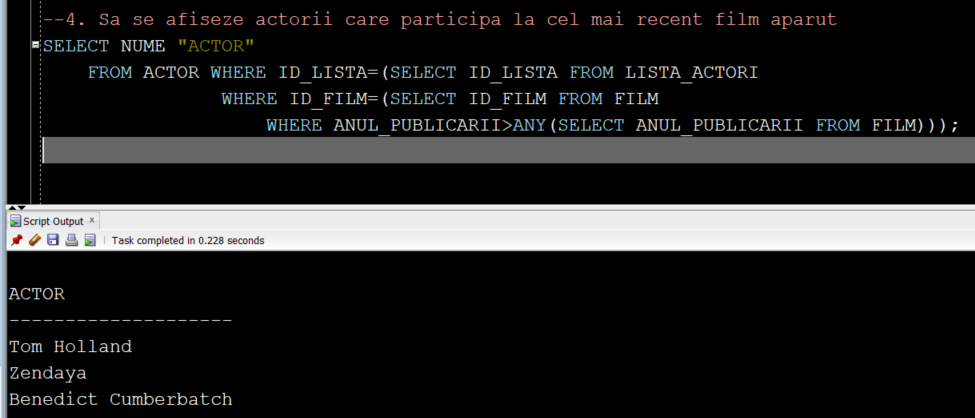
***--4. Sa se afiseze actorii care participa la cel mai recent film aparut***

SELECT NUME "ACTOR"

FROM ACTOR WHERE ID\_LISTA=(SELECT ID\_LISTA FROM LISTA\_ACTORI

WHERE ID\_FILM=(SELECT ID\_FILM FROM FILM

WHERE ANUL\_PUBLICARII>ANY(SELECT ANUL\_PUBLICARII FROM FILM)));



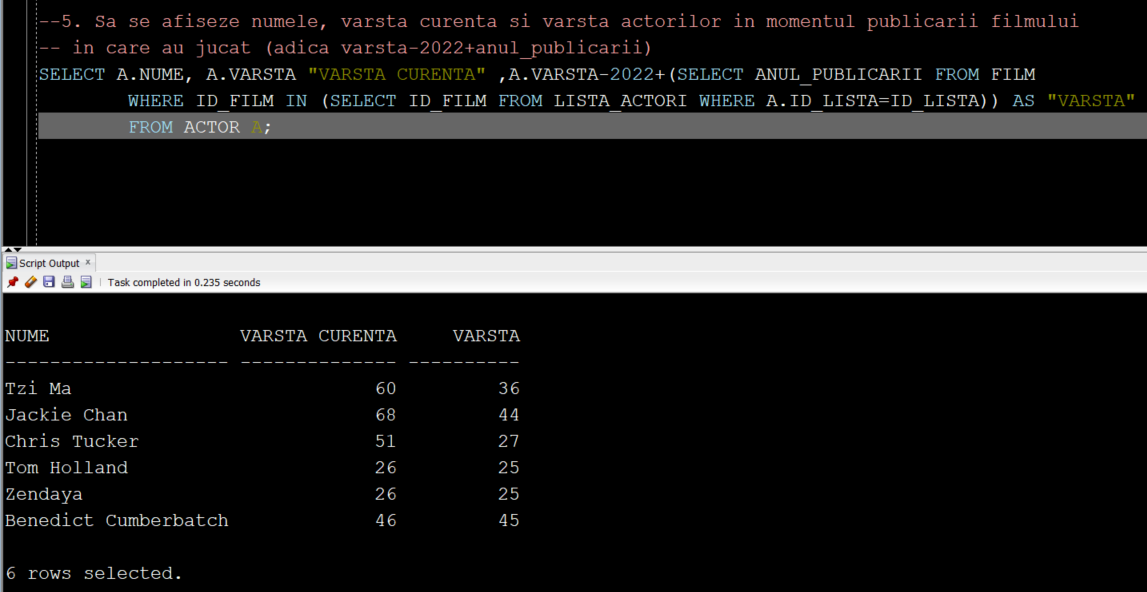
***--5. Sa se afiseze numele, varsta curenta si varsta actorilor in momentul publicarii filmului***

***-- in care au jucat (adica varsta-2022+anul\_publicarii)***

SELECT A.NUME, A.VARSTA "VARSTA CURENTA" ,A.VARSTA-2022+(SELECT ANUL\_PUBLICARII FROM FILM

WHERE ID\_FILM IN (SELECT ID\_FILM FROM LISTA\_ACTORI WHERE A.ID\_LISTA=ID\_LISTA)) AS "VARSTA"

FROM ACTOR A;



**Utilizarea tabelelor virtuale**

***--1. Creati o tabela virtuala care afiseaza numele clientilor care au facut rezervare pe data de 25-NOV-2022***

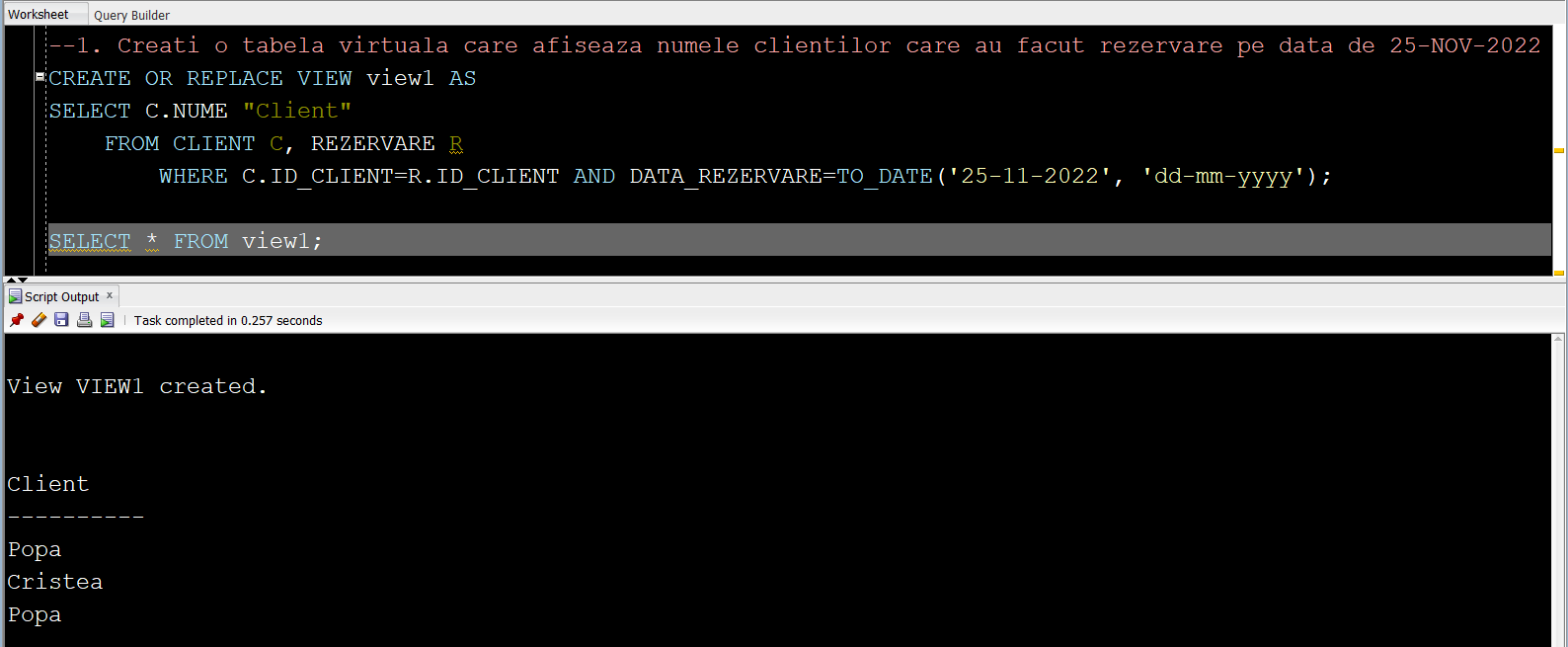
CREATE OR REPLACE VIEW view1 AS

SELECT C.NUME "Client"

FROM CLIENT C, REZERVARE R

WHERE C.ID\_CLIENT=R.ID\_CLIENT AND DATA\_REZERVARE=TO\_DATE('25-11-2022', 'dd-mm-yyyy');

SELECT \* FROM view1;

****

***--2. Creati o tabela virtuala care afiseaza toate id\_urile rezervarilor la filme de tip 'ACTIUNE'***

CREATE OR REPLACE VIEW view2 AS

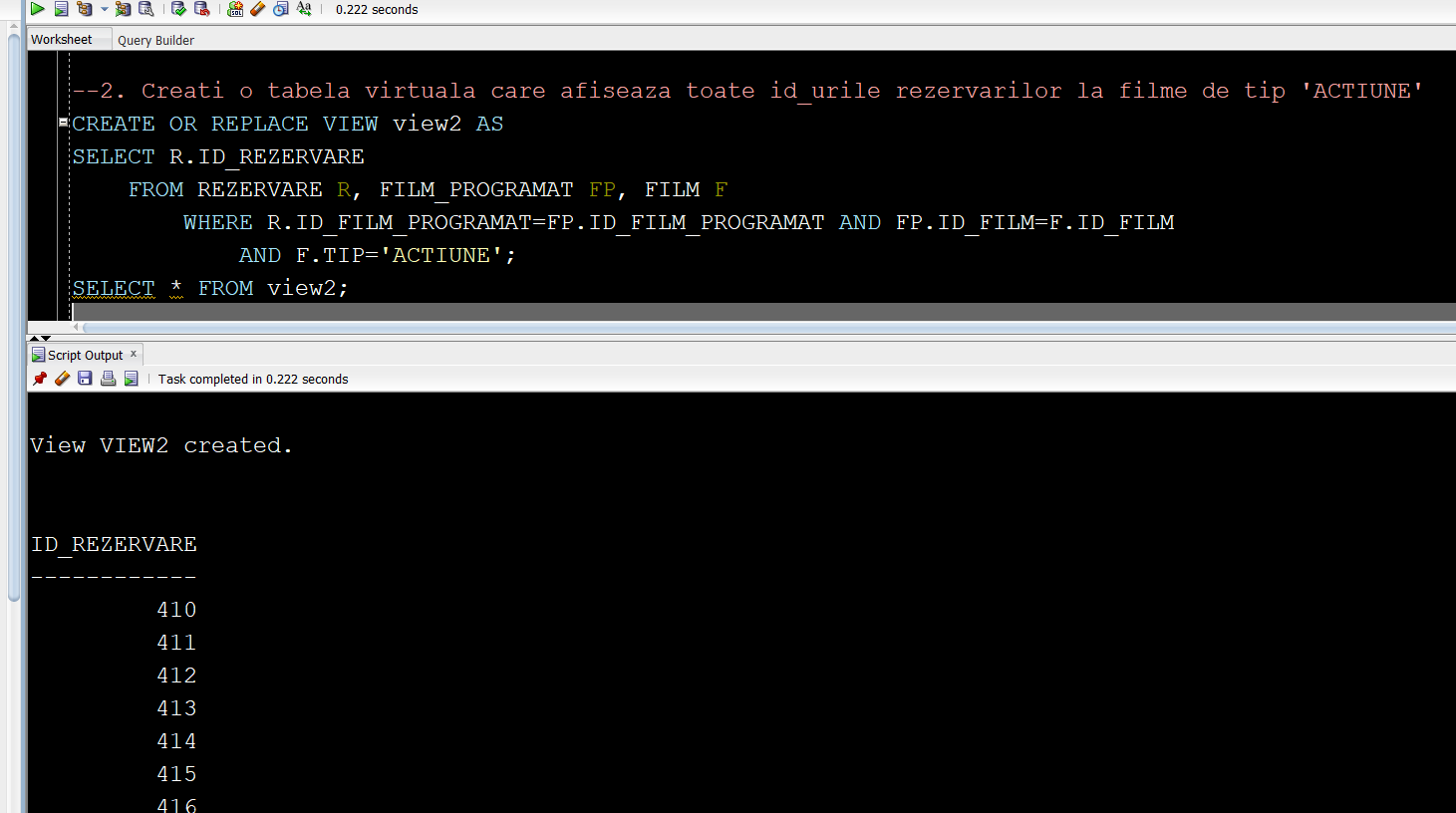
SELECT R.ID\_REZERVARE

FROM REZERVARE R, FILM\_PROGRAMAT FP, FILM F

WHERE R.ID\_FILM\_PROGRAMAT=FP.ID\_FILM\_PROGRAMAT AND FP.ID\_FILM=F.ID\_FILM

AND F.TIP='ACTIUNE';

SELECT \* FROM view2;



***--3. Creati o tabela virtuala in care sa se afiseze locurile care au ID-ul egal cu numarul***

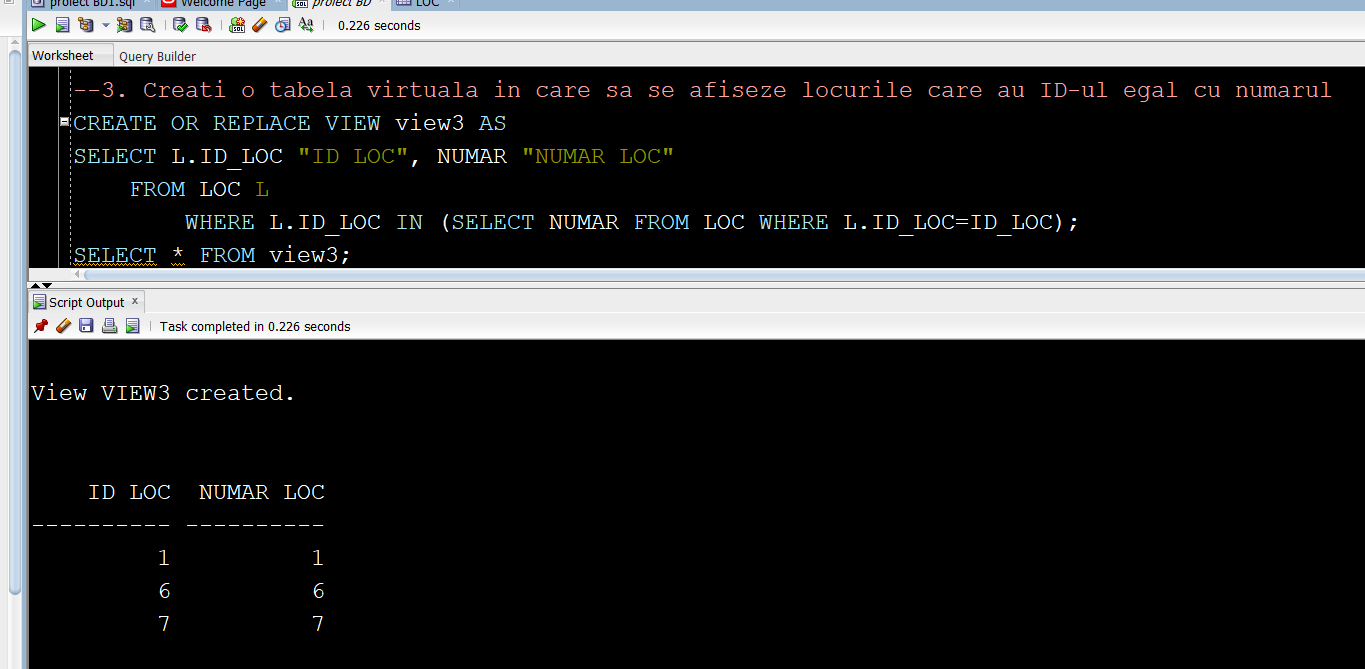
CREATE OR CREATE OR REPLACE VIEW view3 AS

SELECT L.ID\_LOC "ID LOC", NUMAR "NUMAR LOC"

FROM LOC L

WHERE L.ID\_LOC IN (SELECT NUMAR FROM LOC WHERE L.ID\_LOC=ID\_LOC);

SELECT \* FROM view3;

****

***--4. Creati o tabela virtuala care afiseaza toate cinema-urile in Bucuresti***

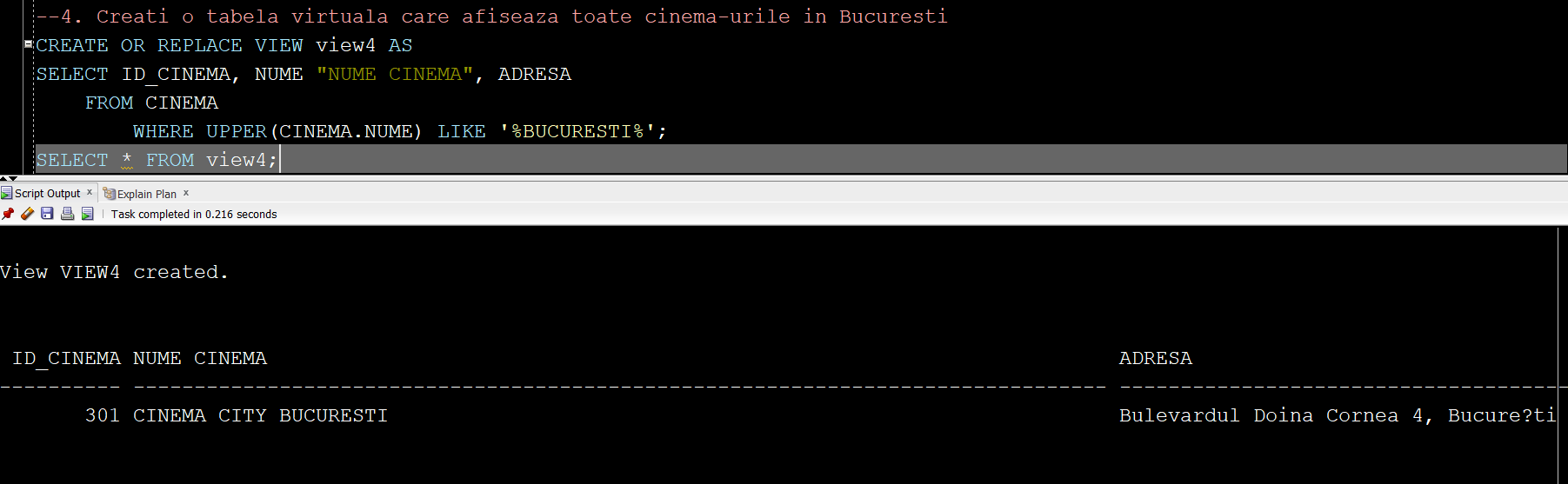
CREATE OR REPLACE VIEW view4 AS

SELECT ID\_CINEMA, NUME "NUME CINEMA", ADRESA

FROM CINEMA

WHERE UPPER(CINEMA.NUME) LIKE '%BUCURESTI%';

SELECT \* FROM view4;



***--5. Creati o table virtuala in care sa se afiseze actorii care joaca in cel mai lung film, alaturi de lungimea acestuia***

CREATE OR REPLACE VIEW view5 AS

SELECT A.ID\_ACTOR, A.NUME, F.DURATA\_MINUTE

FROM ACTOR A, LISTA\_ACTORI LA, FILM F

WHERE A.ID\_LISTA=LA.ID\_LISTA AND LA.ID\_FILM=F.ID\_FILM AND F.DURATA\_MINUTE>ANY(SELECT DURATA\_MINUTE FROM FILM);

SELECT \* FROM view5;

