

**Proiect baze de date**

**Gestiunea datelor pentru un salon de frumusețe**

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**1. Descrierea problemei economice**

Această bază de date ordonează și supraveghează datele unui salon de înfrumusețare numit Glam Beauty. Astfel, putem afla informații despre locația acestor saloane, despre serviciile care sunt prestate de anumiți angajați, clienții care beneficiază de acestea și ce fel de servicii au ales clienții. Putem prelucra în final aceste informații, având posibilitatea de a observa, modifica și calcula anumite date mai detaliat. Această bază de date verifică toate cele 3 tipuri de normalizare dintre care : atomicitate (nu există coloane sau grupuri de date repetate), dependență parțială (toate elementele, din fiecare tabelă, sunt dependente funcțional de cheia primară) și dependență tranzitivă (tabelele sunt în a doua formă normală și nu depind tranzitiv de cheia primară).

Relațiile dintre tabele sunt stabilite astfel:

Legătură one to many între ANGAJATI\_SALON și PROGRAMARI.

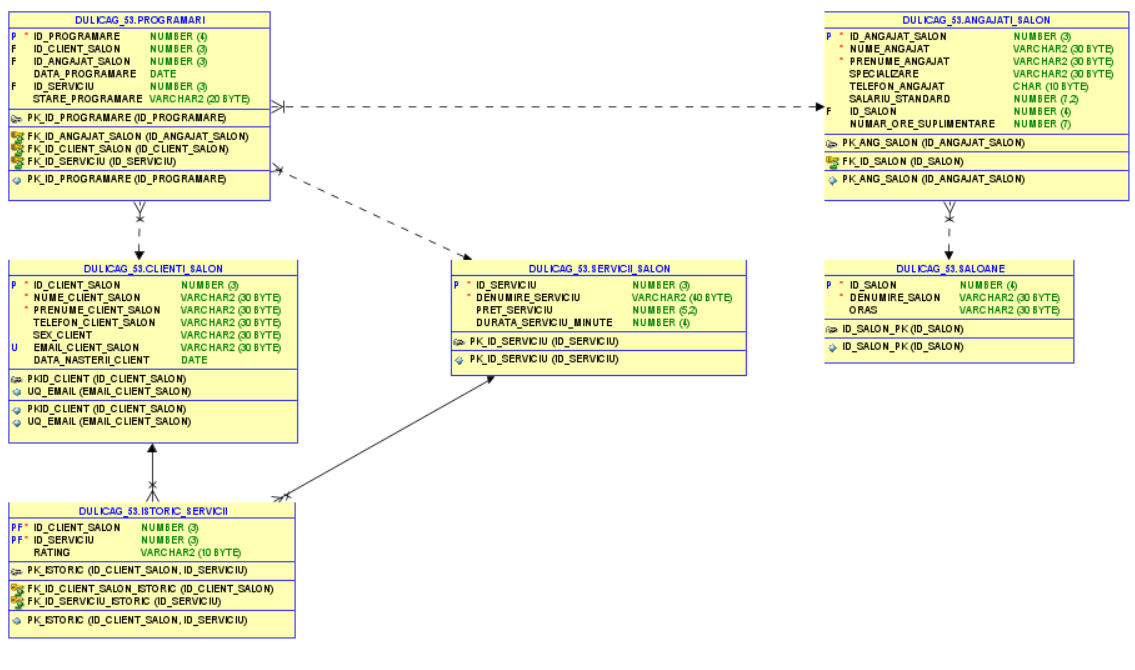
Legătură one to many între CLIENTI\_SALON și PROGRAMARI.

Legătură one to many între SALOANE și ANGAJATI\_SALON.

Legătură one to many între SERVICII\_SALON și PROGRAMARI.

Legătură many to many între CLIENTI\_SALON și SERVICII\_SALON, iar în acest caz am adăugat o tabelă suplimentară, ISTORIC\_SERVICII, care conține cheile primare ale tabelelor inițiale.

Schema conceptuală



**2. Definirea schemei bazei de date**

**2.1 Comanda CREATE**

Baza de date este alcătuită din 6 tabele, iar acestea sunt definite astfel:

**2.1.1 Tabela SALOANE**

Aici se află date legate de id-ul salonului, denumirea acestuia și orașul în care se poate găsi salonul.

CREATE TABLE SALOANE(

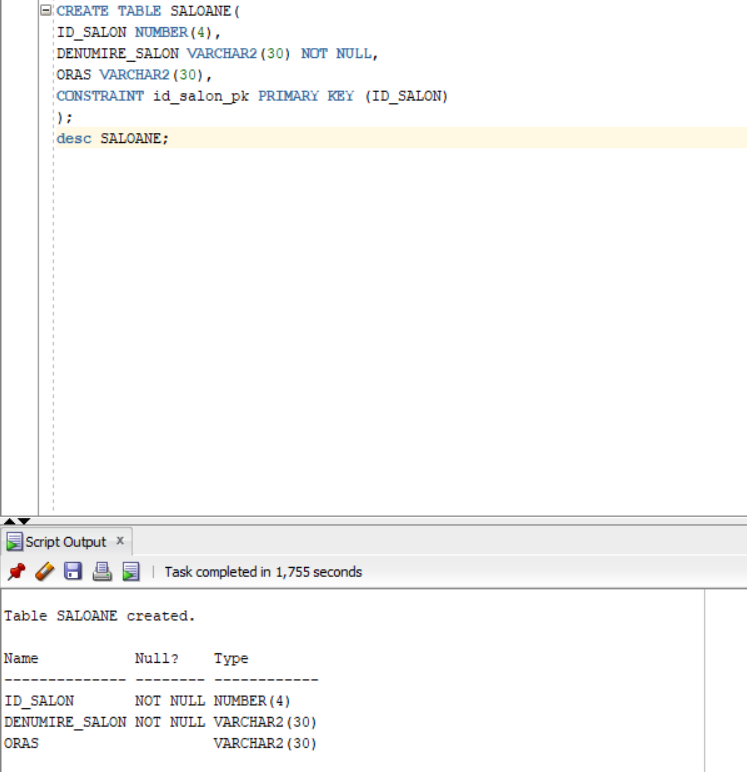
ID\_SALON NUMBER(4),

DENUMIRE\_SALON VARCHAR2(30) NOT NULL,

ORAS VARCHAR2(30),

CONSTRAINT id\_salon\_pk PRIMARY KEY (ID\_SALON)

);

Afișez structura tabelei folosind desc SALOANE;

**2.1.2 Tabela ANGAJATI\_SALON**

Această tabelă cuprinde id-ul fiecărui angajat din salon, numele și prenumele acestuia, ramura pe care este specializat fiecare angajat, telefonul, salariul și id-ul salonului în care lucrează fiecare angajat.

CREATE TABLE ANGAJATI\_SALON(

ID\_ANGAJAT\_SALON NUMBER(3),

NUME\_ANGAJAT VARCHAR2(30) NOT NULL,

PRENUME\_ANGAJAT VARCHAR2(30) NOT NULL,

SPECIALIZARE VARCHAR2(30),

TELEFON\_ANGAJAT CHAR(10),

SALARIU NUMBER(7,2),

ID\_SALON NUMBER(4),

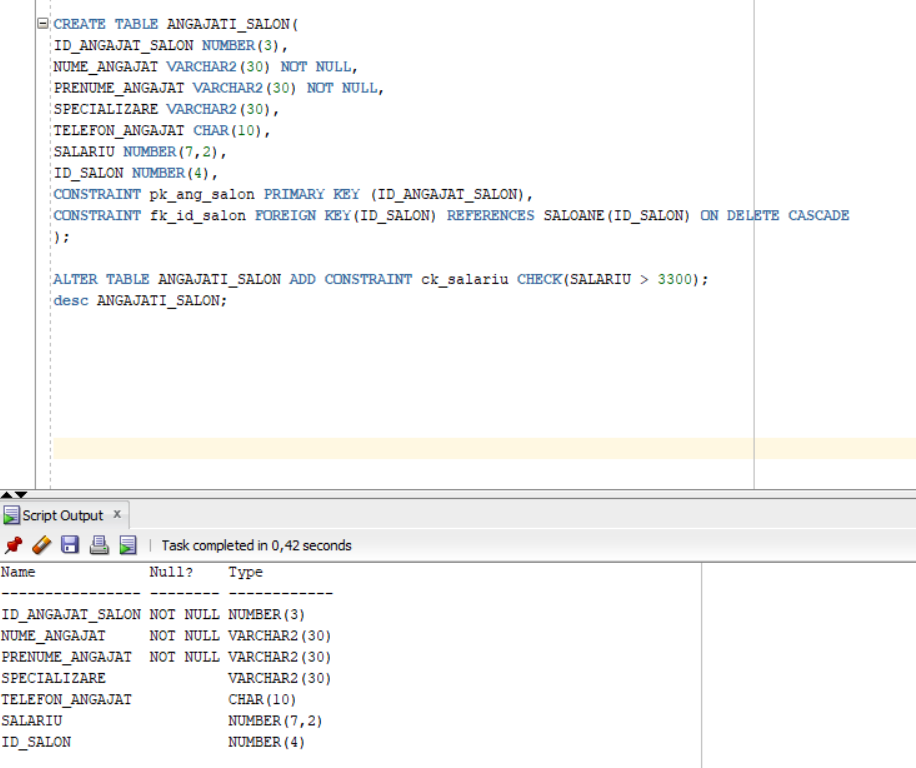
CONSTRAINT pk\_ang\_salon PRIMARY KEY (ID\_ANGAJAT\_SALON),

CONSTRAINT fk\_id\_salon FOREIGN KEY(ID\_SALON) REFERENCES SALOANE(ID\_SALON) ON DELETE CASCADE

);

ALTER TABLE ANGAJATI\_SALON ADD CONSTRAINT ck\_salariu CHECK(SALARIU > 3300);

Afișez structura tabelei folosind : desc ANGAJATI\_SALON;



**2.1.3 Tabela CLIENTI\_SALON**

Această tabelă conține informații legate de id-ul clienților, numele și prenumele acestora, telefon, genul clientului, email-ul și data nașterii.

CREATE TABLE CLIENTI\_SALON(

ID\_CLIENT\_SALON NUMBER(3),

NUME\_CLIENT\_SALON VARCHAR2(30) NOT NULL,

PRENUME\_CLIENT\_SALON VARCHAR2(30) NOT NULL,

TELEFON\_CLIENT\_SALON VARCHAR2(30),

SEX\_CLIENT VARCHAR2(30),

EMAIL\_CLIENT\_SALON VARCHAR2(30),

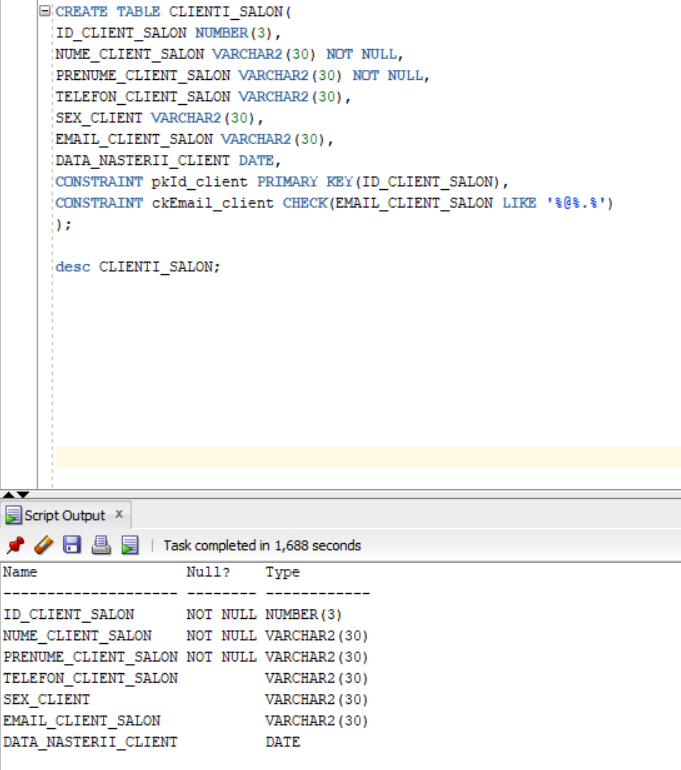
DATA\_NASTERII\_CLIENT DATE,

CONSTRAINT pkId\_client PRIMARY KEY(ID\_CLIENT\_SALON),

CONSTRAINT ckEmail\_client CHECK(EMAIL\_CLIENT\_SALON LIKE '%@%.%')

);

Afișez structura tabelei folosind : desc CLIENTI\_SALON;



**2.1.4 Tabela SERVICII\_SALON**

Aici găsim informații legate de serviciile pe care le oferă salonul, plus prețul și durata fiecăruia.

CREATE TABLE SERVICII\_SALON(

ID\_SERVICIU NUMBER(3),

DENUMIRE\_SERVICIU VARCHAR2(20) NOT NULL,

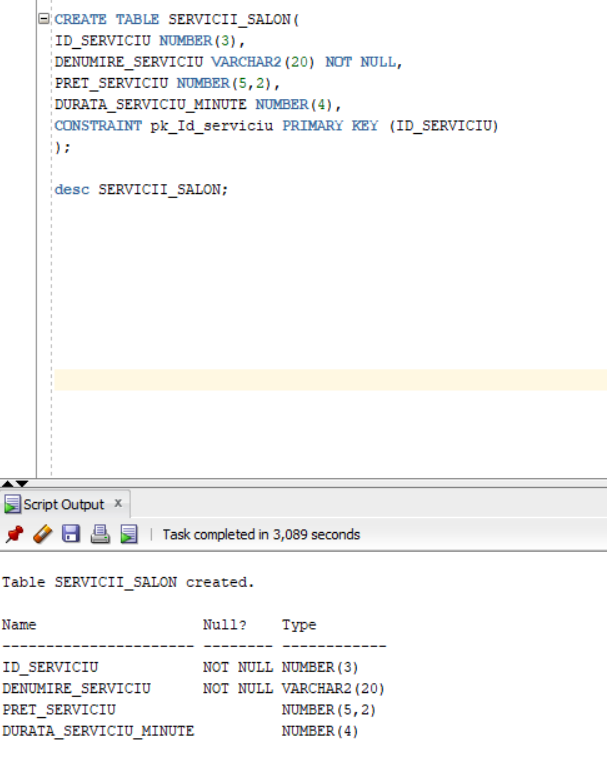
PRET\_SERVICIU NUMBER(5,2),

DURATA\_SERVICIU\_MINUTE NUMBER(4),

CONSTRAINT pk\_Id\_serviciu PRIMARY KEY (ID\_SERVICIU)

);

Afișez structura tabelei folosind : desc SERVICII\_SALON;



**2.1.5 Tabela PROGRAMARI**

Această tabelă cuprinde date despre programările clienților, data când au fost realizate și starea fiecărei programări.

CREATE TABLE PROGRAMARI(

ID\_PROGRAMARE NUMBER(3),

ID\_CLIENT\_SALON NUMBER(3),

ID\_ANGAJAT\_SALON NUMBER(3),

DATA\_PROGRAMARE DATE,

ID\_SERVICIU NUMBER(3),

STARE\_PROGRAMARE VARCHAR2(20),

CONSTRAINT pk\_Id\_programare PRIMARY KEY (ID\_PROGRAMARE),

CONSTRAINT fk\_id\_client\_salon FOREIGN KEY(ID\_CLIENT\_SALON) REFERENCES CLIENTI\_SALON(ID\_CLIENT\_SALON) ON DELETE CASCADE,

CONSTRAINT fk\_id\_angajat\_salon FOREIGN KEY(ID\_ANGAJAT\_SALON) REFERENCES ANGAJATI\_SALON(ID\_ANGAJAT\_SALON),

CONSTRAINT fk\_id\_serviciu FOREIGN KEY(ID\_SERVICIU) REFERENCES SERVICII\_SALON(ID\_SERVICIU),

CONSTRAINT ck\_stare\_prog CHECK(STARE\_PROGRAMARE IN ('CONFIRMATA','ANULATA','FINALIZATA'))

);

Afișez structura tabelei folosind : desc PROGRAMARI;



**2.1.6 Tabela ISTORIC\_SERVICII**

Această tabelă reprezintă un istoric al serviciilor clienților, cât și ratingul de la clienți pentru serviciile prestate.

CREATE TABLE ISTORIC\_SERVICII(

ID\_CLIENT\_SALON NUMBER(3),

ID\_SERVICIU NUMBER(3),

RATING VARCHAR2(10),

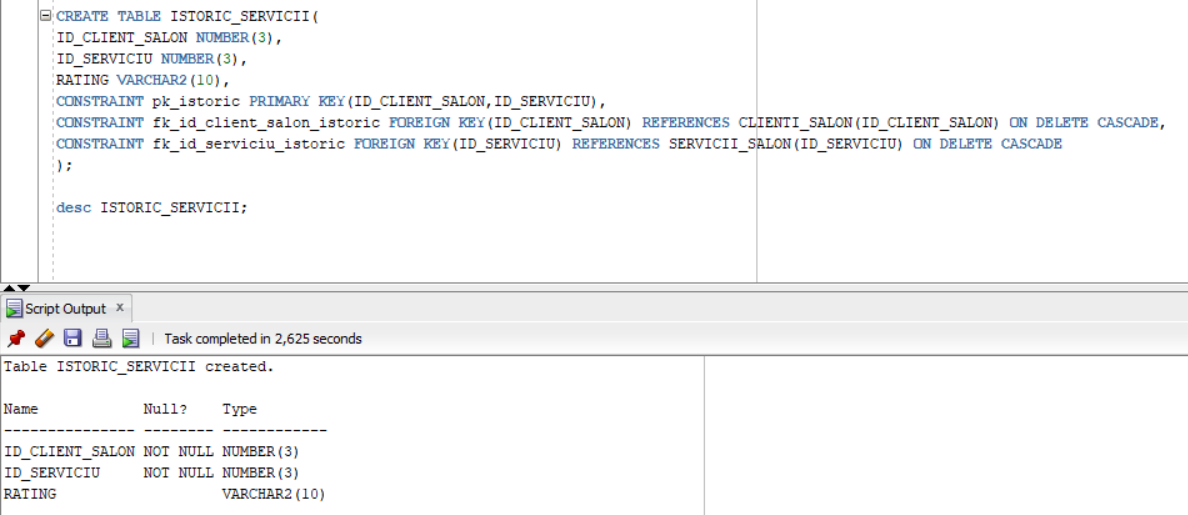
CONSTRAINT pk\_istoric PRIMARY KEY(ID\_CLIENT\_SALON,ID\_SERVICIU),

CONSTRAINT fk\_id\_client\_salon\_istoric FOREIGN KEY(ID\_CLIENT\_SALON) REFERENCES CLIENTI\_SALON(ID\_CLIENT\_SALON) ON DELETE CASCADE,

CONSTRAINT fk\_id\_serviciu\_istoric FOREIGN KEY(ID\_SERVICIU) REFERENCES SERVICII\_SALON(ID\_SERVICIU) ON DELETE CASCADE

);

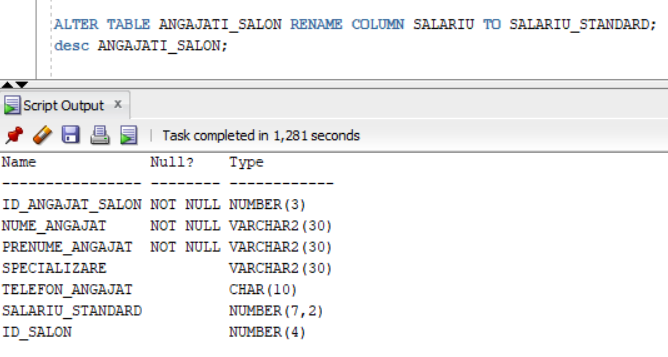
Afișez structura tabelei folosind : desc ISTORIC\_SERVICII;



**2.2 Comanda ALTER / DROP**

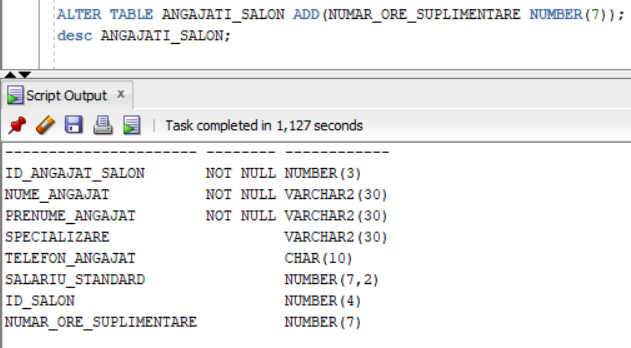
2.2.1.Să se redenumească coloana SALARIU în SALARIU\_STANDARD.

ALTER TABLE ANGAJATI\_SALON RENAME COLUMN SALARIU TO SALARIU\_STANDARD;



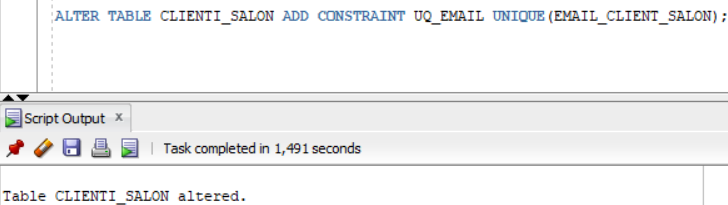
2.2.2 Să se adauge coloana NUMAR\_ORE\_SUPLIMENTARE, reprezentând numarul de ore lucrate în plus de fiecare angajat.

ALTER TABLE ANGAJATI\_SALON ADD(NUMAR\_ORE\_SUPLIMENTARE NUMBER(7));



2.2.3.Să se adauge restricția UNIQUE pentru coloana EMAIL\_CLIENT\_SALON.

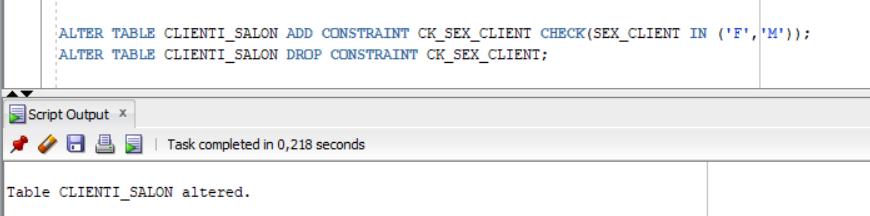
ALTER TABLE CLIENTI\_SALON ADD CONSTRAINT UQ\_EMAIL UNIQUE(EMAIL\_CLIENT\_SALON);



2.2.4.Să se adauge restricția CHECK pentru coloana SEX\_CLIENT, iar după să se steargă.

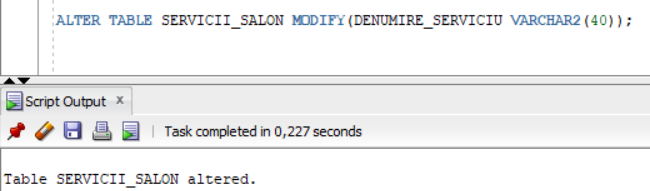
ALTER TABLE CLIENTI\_SALON ADD CONSTRAINT CK\_SEX\_CLIENT CHECK(SEX\_CLIENT IN ('F','M'));

ALTER TABLE CLIENTI\_SALON DROP CONSTRAINT CK\_SEX\_CLIENT;



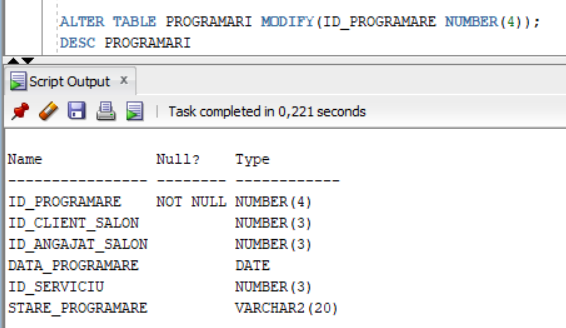
2.2.5.Să se modifice tipul coloanei DENUMIRE\_SERVICIU.

ALTER TABLE SERVICII\_SALON MODIFY(DENUMIRE\_SERVICIU VARCHAR2(40));



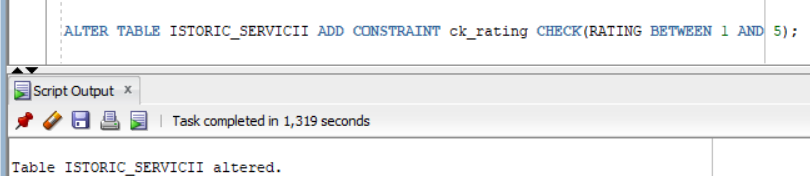
2.2.6.Să se modifice tipul coloanei ID\_PROGRAMARE.

ALTER TABLE PROGRAMARI MODIFY(ID\_PROGRAMARE NUMBER(4));



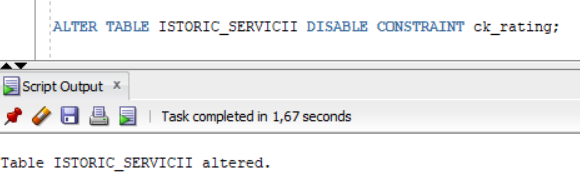
2.2.7.Să se adauge o restricție CHECK pentru coloana RATING.

ALTER TABLE ISTORIC\_SERVICII ADD CONSTRAINT ck\_rating CHECK(RATING BETWEEN 1 AND 5);



2.2.8.Să se dezactiveze restricția de main sus.

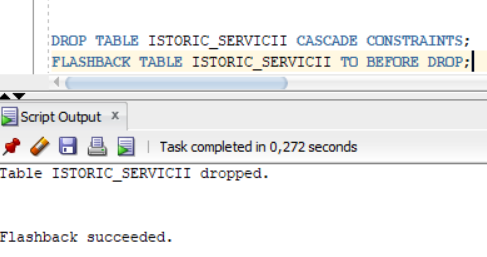
ALTER TABLE ISTORIC\_SERVICII DISABLE CONSTRAINT ck\_rating;



2.2.9.Să se ștearga tabela ISTORIC\_SERVICII și să se recupereze.

DROP TABLE ISTORIC\_SERVICII CASCADE CONSTRAINTS;

FLASHBACK TABLE ISTORIC\_SERVICII TO BEFORE DROP;



**3. Popularea bazei de date**

**3.1. Comanda INSERT/UPDATE/DELETE**

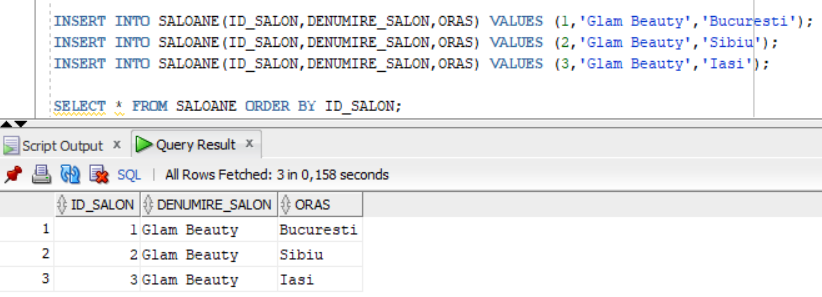
**3.1.1. Popularea tabelei SALOANE:**

INSERT INTO SALOANE(ID\_SALON,DENUMIRE\_SALON,ORAS) VALUES (1,'Glam Beauty','Bucuresti');

INSERT INTO SALOANE(ID\_SALON,DENUMIRE\_SALON,ORAS) VALUES (2,'Glam Beauty','Sibiu');

INSERT INTO SALOANE(ID\_SALON,DENUMIRE\_SALON,ORAS) VALUES (3,'Glam Beauty','Iasi');

Afisare înregistrări: SELECT \* FROM SALOANE ORDER BY ID\_SALON;



**3.1.2.Popularea tabelei ANGAJATI\_SALON:**

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (10,'Preda','Cristina','Manichiura/Pedichiura','0727893684',5000,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (11,'Dulica','Denisa','Extensii de gene','0765783901',6000,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (12,'Frincu','Alexia','Make-up','0799647821',6100,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (13,'Achimoiu','Alexandra','Hairstylist femei','0748326007',4950,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (14,'Patru','Ianis','Hairstylist barbati','0745336489',4950,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (15,'Popescu','Teodora','Tratamente faciale','0786119832',5900,1);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (20,'Mincu','Paula','Manichiura/Pedichiura','0723650732',5000,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (21,'Cristescu','Sara','Extensii de gene','0743902131',6000,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (22,'Nedelcu','Stefania','Make-up','0797215367',6100,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (23,'Stancu','Andrada','Hairstylist femei','0743789200',4950,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (24,'Florescu','Teodor','Hairstylist barbati','0742733456',4950,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (25,'Budescu','Maria','Tratamente faciale','0708326746',5900,2);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (30,'Muresan','Ana','Manichiura/Pedichiura','0744563897',5000,3);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (31,'Anton','Elena','Extensii de gene','0732817560',6000,3);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (32,'Matei','Ioana','Make-up','0797764257',6100,3);

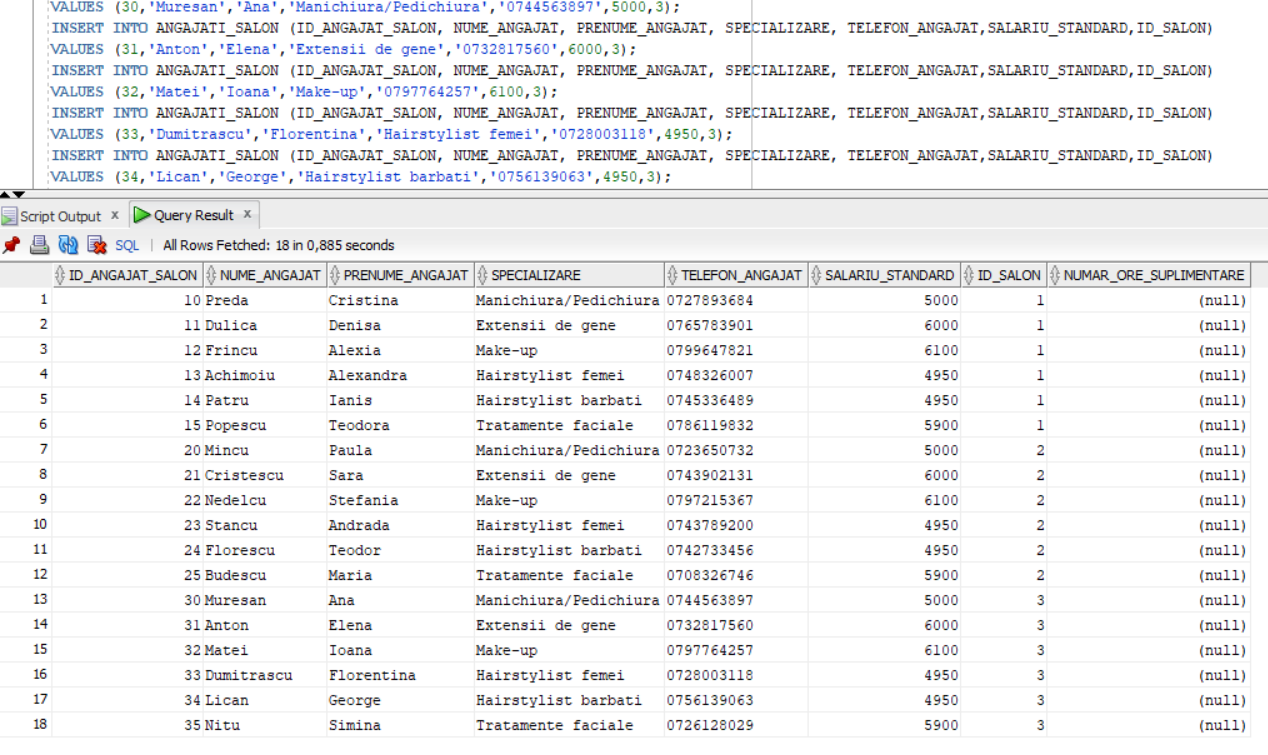
INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (33,'Dumitrascu','Florentina','Hairstylist femei','0728003118',4950,3);

INSERT INTO ANGAJATI\_SALON (ID\_ANGAJAT\_SALON, NUME\_ANGAJAT, PRENUME\_ANGAJAT, SPECIALIZARE, TELEFON\_ANGAJAT,SALARIU\_STANDARD,ID\_SALON)

VALUES (34,'Lican','George','Hairstylist barbati','0756139063',4950,3);

Afisare înregistrări: SELECT \* FROM ANGAJATI\_SALON ORDER BY ID\_ANGAJAT\_SALON;

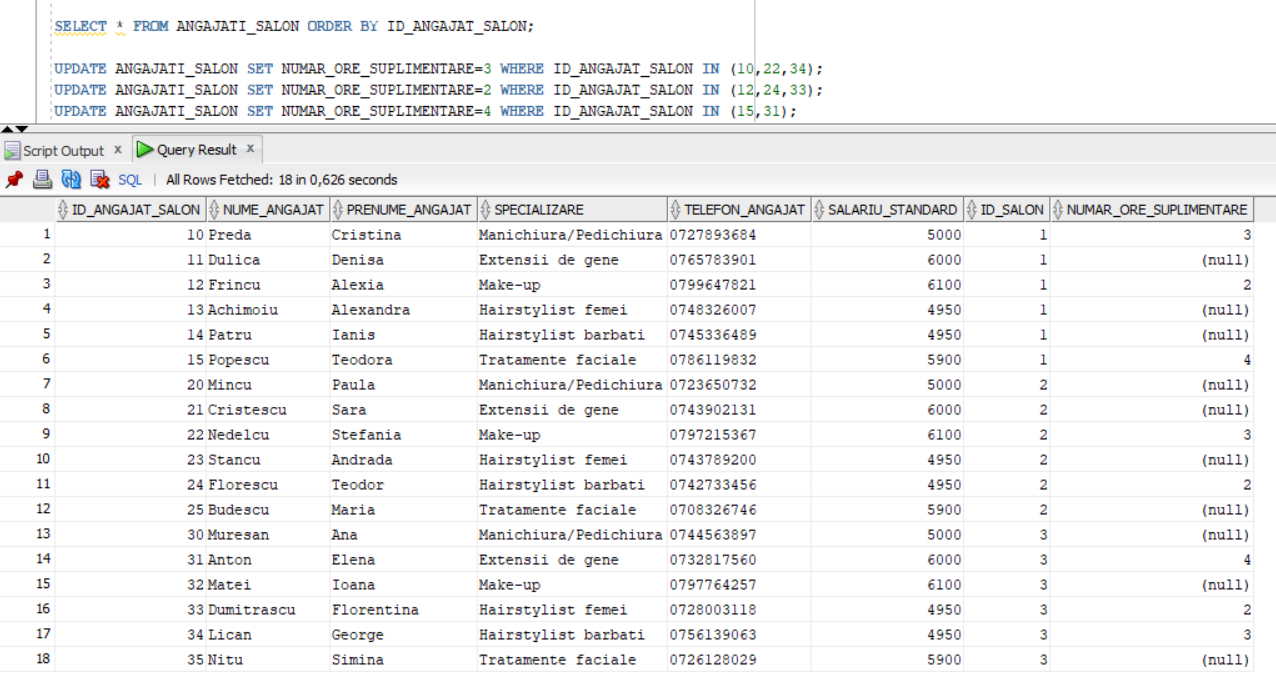


**3.1.3.Adaug date în coloana NUMAR\_ORE\_SUPLIMENTARE în tabela ANGAJATI\_SALON:**

UPDATE ANGAJATI\_SALON SET NUMAR\_ORE\_SUPLIMENTARE=3 WHERE ID\_ANGAJAT\_SALON IN (10,22,34);

UPDATE ANGAJATI\_SALON SET NUMAR\_ORE\_SUPLIMENTARE=2 WHERE ID\_ANGAJAT\_SALON IN (12,24,33);

UPDATE ANGAJATI\_SALON SET NUMAR\_ORE\_SUPLIMENTARE=4 WHERE ID\_ANGAJAT\_SALON IN (15,31);



**3.1.4Popularea tabelei CLIENTI\_SALON:**

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (101,'Anghel','Bianca','0732891730','F','anghelb@gmail.com',TO\_DATE('06-03-2001','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (102,'Barbu','Cosmina','0732890382','F','cosminaab@gmail.com',TO\_DATE('22-05-2002','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (111,'Costea','Miruna','0733890232','F','costeaMiruna@gmail.com',TO\_DATE('13-04-1999','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (112,'Enache','Carmen','0739280151','F','carmenEC@gmail.com',TO\_DATE('24-12-2005','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (121,'Ene','Andreea','0727932841','F','andreeaEne12@gmail.com',TO\_DATE('28-09-2000','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (122,'Ganea','Ioana','0732794302','F','ganeaIoana33@gmail.com',TO\_DATE('10-10-2004','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (131,'Gojdu','Larisa','0734379402','F','larisaa23@gmail.com',TO\_DATE('04-05-2003','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (132,'Stanciu','Teodora','0743902212','F','Stanciu2Teodora@gmail.com',TO\_DATE('25-02-2003','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (141,'Herlea','Andrei','0743790832','M','Andrei2002@gmail.com',TO\_DATE('07-07-2002','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (142,'Ilie','Cosmin','0742303821','M','Coosmin13@gmail.com',TO\_DATE('16-11-1998','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (151,'Lazaroiu','Carina','0744839203','F','Caarrina13@gmail.com',TO\_DATE('21-02-1999','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (152,'Manea','Georgiana','0743792038','F','georgii8@gmail.com',TO\_DATE('12-09-2000','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (201,'Manoliu','Mihaela','0733890031','F','mihaelaManoliu@gmail.com',TO\_DATE('02-02-2002','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (202,'Miron','Ionelia','0730926494','F','mironI@gmail.com',TO\_DATE('19-08-2003','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (211,'Nastase','Cornelia','0736028645','F','corneliaa4@gmail.com',TO\_DATE('27-07-1988','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (212,'Nita','Adriana','0783908322','F','adriananita5@gmail.com',TO\_DATE('20-03-2001','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (221,'Olar','Maria','0724536628','F','olarma67@gmail.com',TO\_DATE('19-05-2002','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (222,'Pacuraru','Emilia','0772904832','F','emiliap8@gmail.com',TO\_DATE('14-04-2003','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (231,'Plugaru','Valentina','0720371730','F','valentpl90@gmail.com',TO\_DATE('15-12-2001','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (232,'Popovici','Ana-Maria','0793782038','F','anamariaa@gmail.com',TO\_DATE('19-07-1987','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (241,'Raducan','Emil','0785083744','M','raducanemil@gmail.com',TO\_DATE('24-05-2003','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (242,'Simion','Vlad','0782084366','M','simion77@gmail.com',TO\_DATE('16-04-2000','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (251,'Stoian','Loredana','0753682083','F','loredana25@gmail.com',TO\_DATE('25-12-2004','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (252,'Toboc','Gabriela','0739203973','F','tobocgabriela@gmail.com',TO\_DATE('18-03-1999','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (301,'Trancu','Crina','0723047821','F','crina2005@gmail.com',TO\_DATE('25-04-2005','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (302,'Zamfir','Corina','0723990283','F','zamfirC55@gmail.com',TO\_DATE('09-01-2000','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (303,'Tanase','Iulia','0720932972','F','iuliatanasee@gmail.com',TO\_DATE('11-06-1999','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (304,'Stoian','Gabriel','0740397263','M','stoiangab@gmail.com',TO\_DATE('18-11-2001','dd-mm-yyyy'));

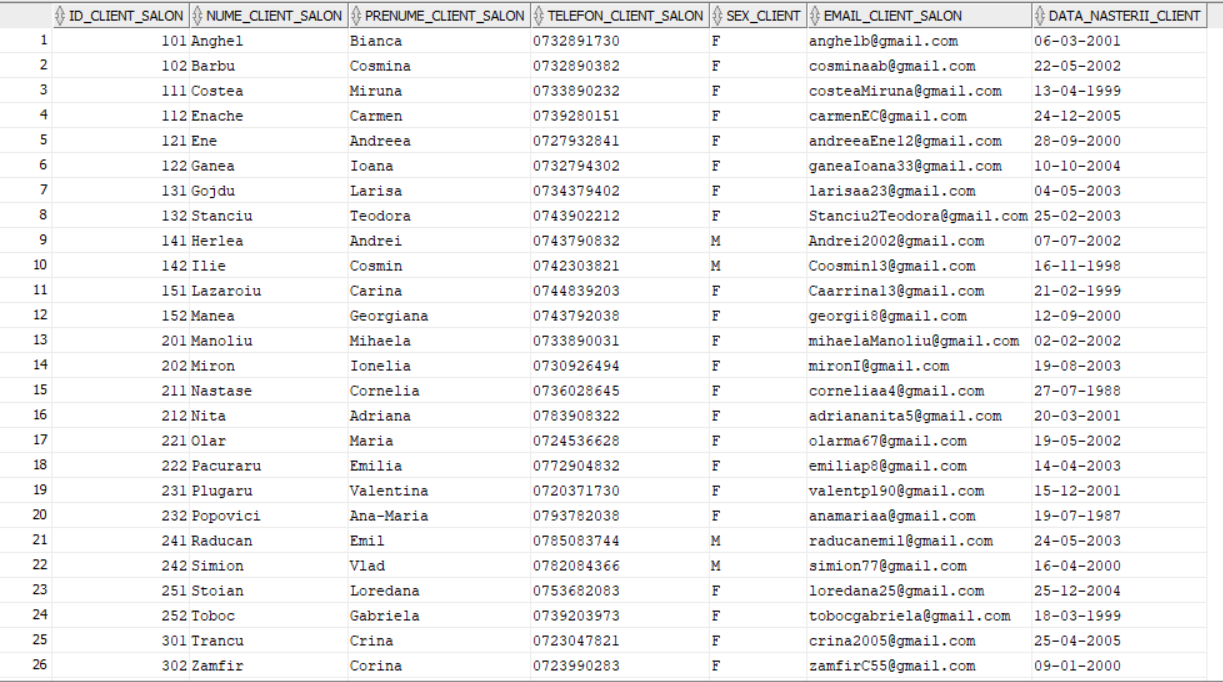
INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (305,'Racovita','Alexandra','0743948383','F','racovitaalexa@gmail.com',TO\_DATE('26-10-2002','dd-mm-yyyy'));

INSERT INTO CLIENTI\_SALON(ID\_CLIENT\_SALON,NUME\_CLIENT\_SALON,PRENUME\_CLIENT\_SALON,TELEFON\_CLIENT\_SALON,SEX\_CLIENT,EMAIL\_CLIENT\_SALON,DATA\_NASTERII\_CLIENT)

VALUES (306,'Golescu','Denis','0743002837','M','deniss91@gmail.com',TO\_DATE('19-06-1999','dd-mm-yyyy'));

Afisare înregistrări: SELECT \* FROM CLIENTI\_SALON ORDER BY ID\_CLIENT\_SALON;



**3.1.5.Popularea tabelei SERVICII\_SALON:**

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (40,'Manichiura',100,90);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (41,'Pedichiura',120,100);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (42,'Aplicare extensii de gene 2D',200,120);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (43,'Aplicare extensii de gene 3D',250,150);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (44,'Make-up de zi',250,90);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (45,'Make-up de seara',350,120);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (46,'Make-up pentru mirese',300,100);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (47,'Tuns',40,20);

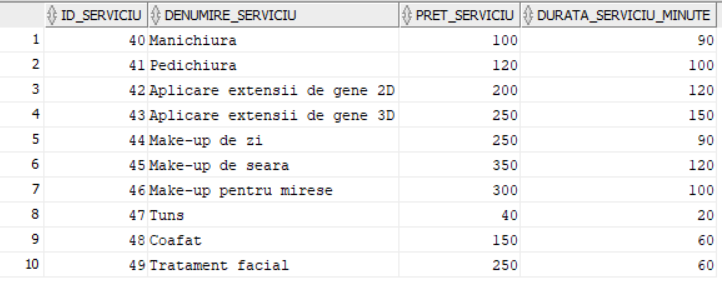
INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (48,'Coafat',150,60);

INSERT INTO SERVICII\_SALON(ID\_SERVICIU,DENUMIRE\_SERVICIU,PRET\_SERVICIU,DURATA\_SERVICIU\_MINUTE)

VALUES (49,'Tratament facial',250,60);

Afisare înregistrări: SELECT \* FROM SERVICII\_SALON ORDER BY ID\_SERVICIU;



**3.1.6.Popularea tabelei PROGRAMARI:**

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1000,101,10,TO\_DATE('02-02-2024','dd-mm-yyyy'),40,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1001,102,20,TO\_DATE('03-04-2023','dd-mm-yyyy'),41,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1002,111,11,TO\_DATE('22-07-2023','dd-mm-yyyy'),42,'ANULATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1003,112,11,TO\_DATE('20-03-2023','dd-mm-yyyy'),43,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1004,121,22,TO\_DATE('20-03-2024','dd-mm-yyyy'),46,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1005,122,32,TO\_DATE('30-05-2023','dd-mm-yyyy'),44,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1006,131,12,TO\_DATE('20-03-2023','dd-mm-yyyy'),45,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1007,132,23,TO\_DATE('03-03-2024','dd-mm-yyyy'),48,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1008,121,23,TO\_DATE('20-03-2024','dd-mm-yyyy'),48,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1009,141,14,TO\_DATE('07-11-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1010,142,24,TO\_DATE('12-10-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1011,151,32,TO\_DATE('14-08-2023','dd-mm-yyyy'),45,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1012,151,33,TO\_DATE('14-08-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1013,152,25,TO\_DATE('18-09-2023','dd-mm-yyyy'),45,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1014,201,11,TO\_DATE('14-03-2024','dd-mm-yyyy'),42,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1015,201,10,TO\_DATE('14-03-2024','dd-mm-yyyy'),40,'ANULATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1016,202,31,TO\_DATE('07-05-2023','dd-mm-yyyy'),43,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1017,211,13,TO\_DATE('22-06-2023','dd-mm-yyyy'),48,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1018,212,21,TO\_DATE('16-06-2023','dd-mm-yyyy'),42,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1019,221,15,TO\_DATE('10-02-2024','dd-mm-yyyy'),49,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1020,222,21,TO\_DATE('21-06-2023','dd-mm-yyyy'),43,'ANULATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1021,231,12,TO\_DATE('15-03-2023','dd-mm-yyyy'),44,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1022,232,22,TO\_DATE('04-03-2024','dd-mm-yyyy'),46,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1023,232,23,TO\_DATE('04-03-2024','dd-mm-yyyy'),48,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1024,241,14,TO\_DATE('06-04-2024','dd-mm-yyyy'),47,'CONFIRMATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1025,242,34,TO\_DATE('08-05-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1026,251,30,TO\_DATE('31-01-2023','dd-mm-yyyy'),41,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1027,252,12,TO\_DATE('24-08-2023','dd-mm-yyyy'),45,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1028,301,15,TO\_DATE('29-06-2023','dd-mm-yyyy'),49,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1029,302,25,TO\_DATE('28-06-2023','dd-mm-yyyy'),49,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1030,303,12,TO\_DATE('20-02-2023','dd-mm-yyyy'),44,'ANULATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1031,305,22,TO\_DATE('09-05-2023','dd-mm-yyyy'),44,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1032,305,23,TO\_DATE('09-05-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1033,304,24,TO\_DATE('10-05-2023','dd-mm-yyyy'),47,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1034,306,10,TO\_DATE('10-05-2023','dd-mm-yyyy'),40,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

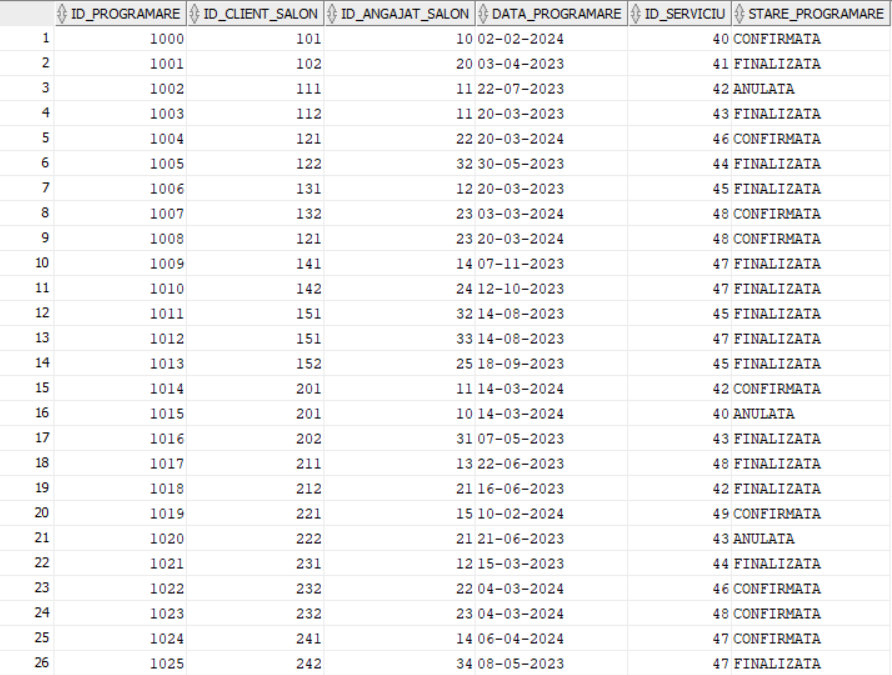
VALUES (1035,306,10,TO\_DATE('20-06-2023','dd-mm-yyyy'),40,'FINALIZATA');

INSERT INTO PROGRAMARI(ID\_PROGRAMARE,ID\_CLIENT\_SALON,ID\_ANGAJAT\_SALON,DATA\_PROGRAMARE,ID\_SERVICIU,STARE\_PROGRAMARE)

VALUES (1036,302,25,TO\_DATE('30-07-2023','dd-mm-yyyy'),49,'FINALIZATA');

Afisare înregistrări:

SELECT \* FROM PROGRAMARI ORDER BY ID\_PROGRAMARE;



**3.1.7.Popularea tabelei ISTORIC\_SERVICII:**

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(101,40,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(102,41,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(111,42,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(112,43,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(121,48,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(121,46,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(122,44,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(131,45,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(132,48,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(141,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(142,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(151,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(151,45,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(152,45,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(201,40,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(201,42,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(202,43,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(211,48,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(212,42,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(221,49,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(222,43,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(231,44,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(232,48,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(232,46,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(241,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(242,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(251,41,4);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(252,45,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(301,49,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(302,49,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(303,44,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(304,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(305,44,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

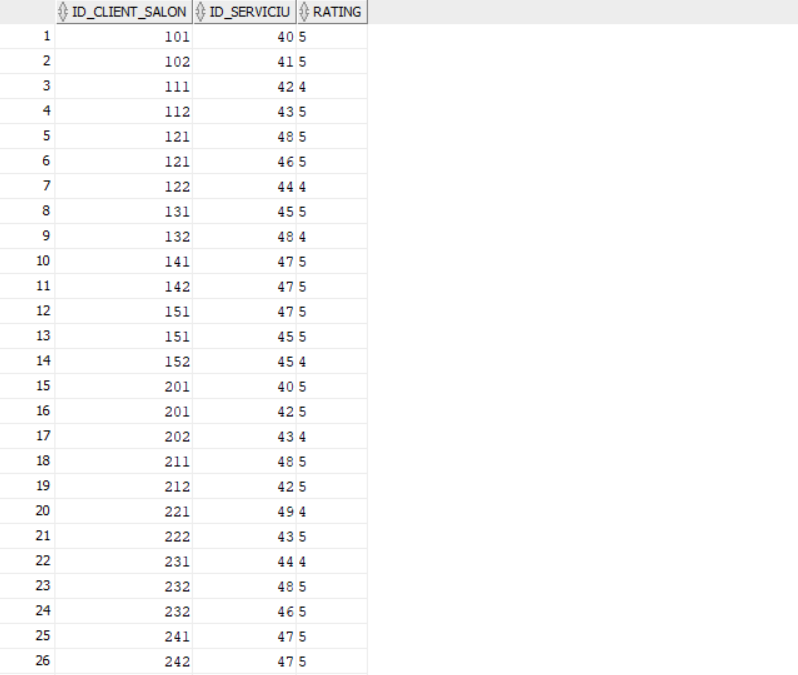
VALUES(305,47,5);

INSERT INTO ISTORIC\_SERVICII(ID\_CLIENT\_SALON,ID\_SERVICIU,RATING)

VALUES(306,40,5);

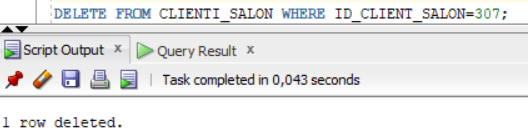
Afisare înregistrări:

SELECT \* FROM ISTORIC\_SERVICII ORDER BY ID\_CLIENT\_SALON;



**Să se stearga inregistrarea din CLIENTI\_SALON cu id-ul = cu 307:**

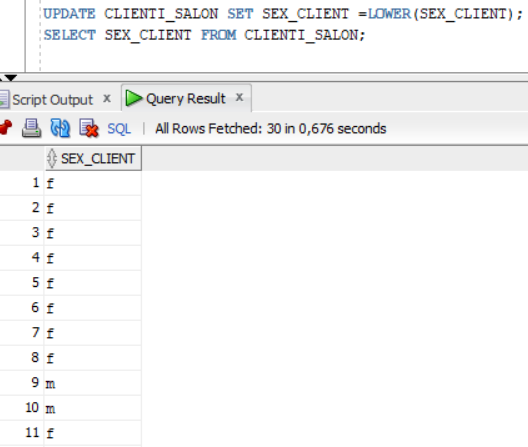
DELETE FROM CLIENTI\_SALON WHERE ID\_CLIENT\_SALON=307;



**Să se afiseze cu litere mici sexul clientilor din tabela CLIENTI\_SALON și să se revină la afișarea inițială:**

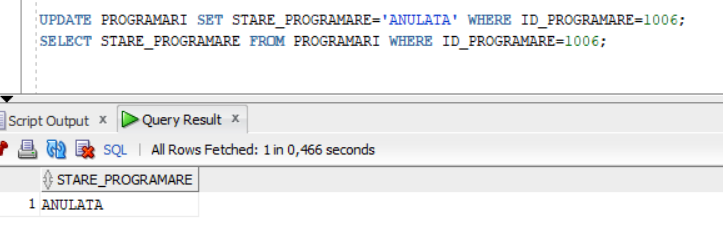
UPDATE CLIENTI\_SALON SET SEX\_CLIENT =LOWER(SEX\_CLIENT);

UPDATE CLIENTI\_SALON SET SEX\_CLIENT =UPPER(SEX\_CLIENT);



**Sa se modifice starea programarii pentru id\_programare=1006.**

UPDATE PROGRAMARI SET STARE\_PROGRAMARE='ANULATA' WHERE ID\_PROGRAMARE=1006;



**4.Implementarea interogărilor care conțin operatori, joncțiuni, funcții de grup, funcții single-row.**

**4.1. Să se afiseze programările care sunt CONFIRMATE pentru anul 2024**

SELECT P.ID\_PROGRAMARE,P.ID\_CLIENT\_SALON,P.DATA\_PROGRAMARE,P.STARE\_PROGRAMARE,S.DENUMIRE\_SERVICIU FROM PROGRAMARI P

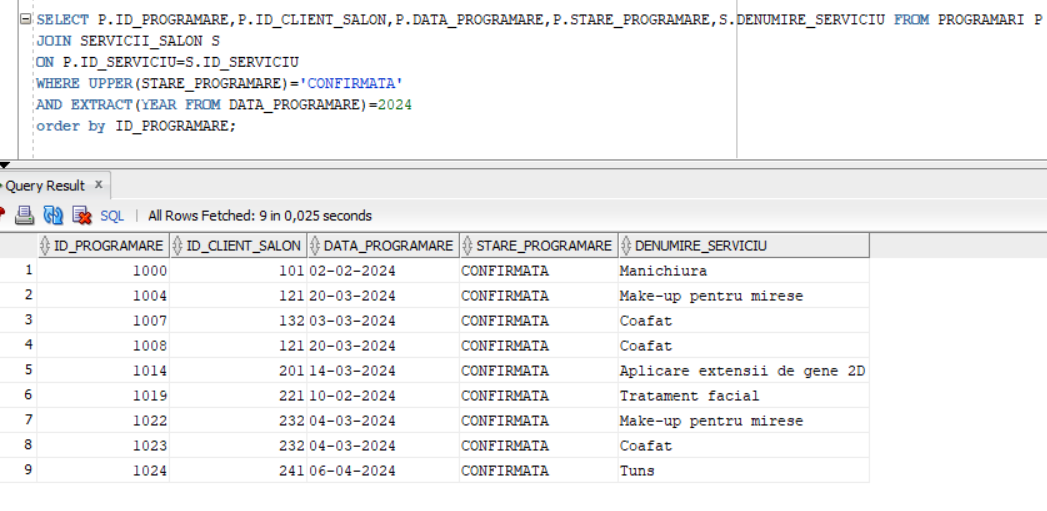
JOIN SERVICII\_SALON S

ON P.ID\_SERVICIU=S.ID\_SERVICIU

WHERE UPPER(STARE\_PROGRAMARE)='CONFIRMATA'

AND EXTRACT(YEAR FROM DATA\_PROGRAMARE)=2024

order by ID\_PROGRAMARE;



**4.2.Să se afiseze angajații care nu au executat nicio programare.**

SELECT A.ID\_ANGAJAT\_SALON,A.NUME\_ANGAJAT,A.SPECIALIZARE,P.ID\_PROGRAMARE FROM ANGAJATI\_SALON A

LEFT JOIN PROGRAMARI P

ON A.ID\_ANGAJAT\_SALON=P.ID\_ANGAJAT\_SALON

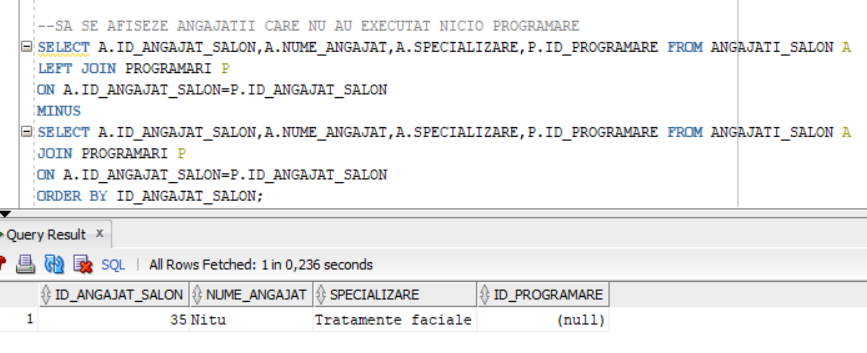
MINUS

SELECT A.ID\_ANGAJAT\_SALON,A.NUME\_ANGAJAT,A.SPECIALIZARE,P.ID\_PROGRAMARE FROM ANGAJATI\_SALON A

JOIN PROGRAMARI P

ON A.ID\_ANGAJAT\_SALON=P.ID\_ANGAJAT\_SALON

ORDER BY ID\_ANGAJAT\_SALON;

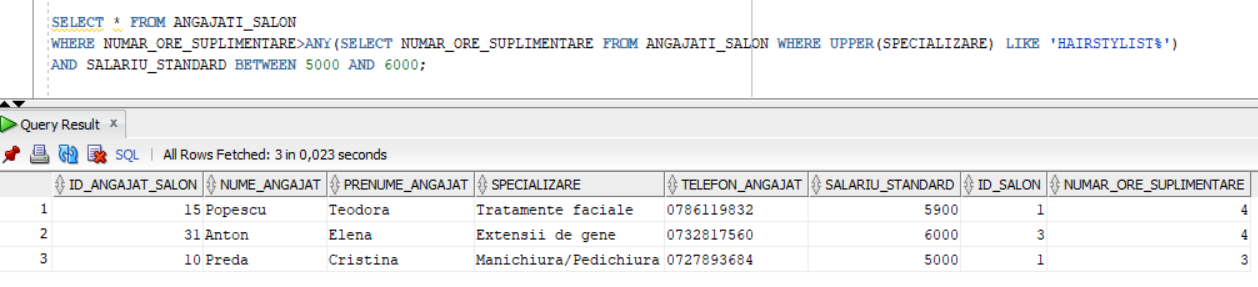


**4.3.Să se afiseze angajații care au un număr de ore suplimentare mai mare decât oricare dintre angajații care au ca specializare hairstyling-ul și care au salariul standard între 5000 și 6000 de lei.**

SELECT \* FROM ANGAJATI\_SALON

WHERE NUMAR\_ORE\_SUPLIMENTARE>ANY(SELECT NUMAR\_ORE\_SUPLIMENTARE FROM ANGAJATI\_SALON WHERE UPPER(SPECIALIZARE) LIKE 'HAIRSTYLIST%')

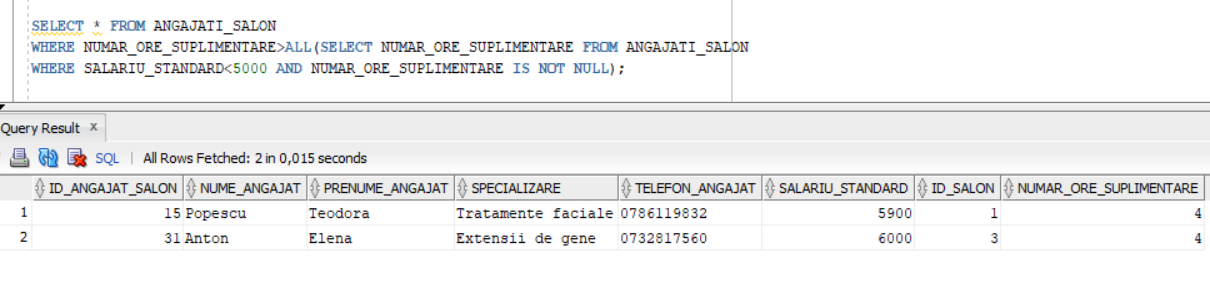
AND SALARIU\_STANDARD BETWEEN 5000 AND 6000;



**4.4.Să se afiseze angajații care au un număr de ore suplimentare mai mare decât fiecare dintre angajații care au un salariu standard mai mic de 5000 de lei.**

SELECT \* FROM ANGAJATI\_SALON

WHERE NUMAR\_ORE\_SUPLIMENTARE>ALL(SELECT NUMAR\_ORE\_SUPLIMENTARE FROM ANGAJATI\_SALON WHERE SALARIU\_STANDARD<5000 AND NUMAR\_ORE\_SUPLIMENTARE IS NOT NULL);



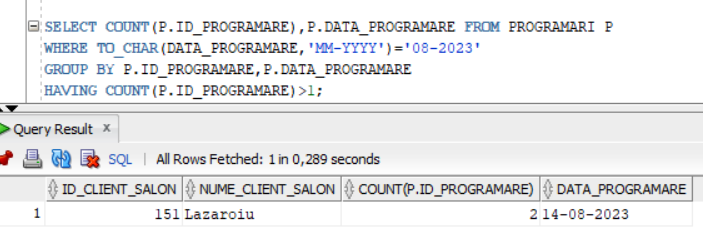
**4.5.Să se selecteze clienții care au avut mai mult de o programare in luna august 2023.**

SELECT COUNT(P.ID\_PROGRAMARE),P.DATA\_PROGRAMARE FROM PROGRAMARI P

WHERE TO\_CHAR(DATA\_PROGRAMARE,'MM-YYYY')='08-2023'

GROUP BY P.ID\_PROGRAMARE,P.DATA\_PROGRAMARE

HAVING COUNT(P.ID\_PROGRAMARE)>1;



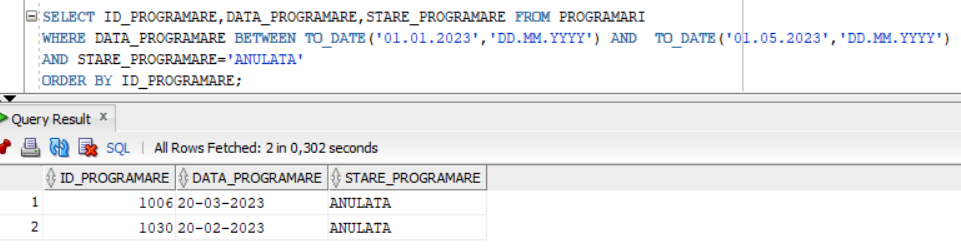
**4.6.Să se afișeze programările care au fost anulate în anul 2023 între luna ianuarie si mai.**

SELECT ID\_PROGRAMARE,DATA\_PROGRAMARE,STARE\_PROGRAMARE FROM PROGRAMARI

WHERE DATA\_PROGRAMARE BETWEEN TO\_DATE('01.01.2023','DD.MM.YYYY') AND TO\_DATE('01.05.2023','DD.MM.YYYY')

AND STARE\_PROGRAMARE='ANULATA'

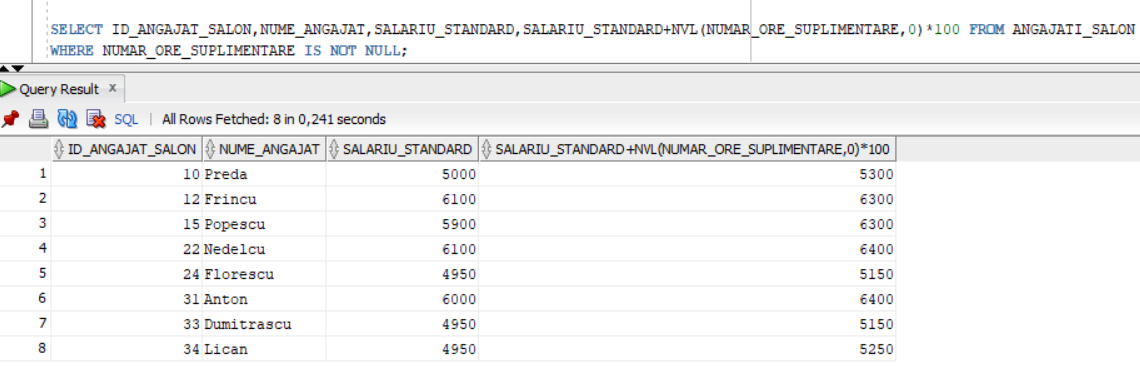
ORDER BY ID\_PROGRAMARE;



**4.7.Să se calculeze salariile finale ale angajaților care au în plus un anumit număr de ore suplimentare.**

SELECT ID\_ANGAJAT\_SALON,NUME\_ANGAJAT,SALARIU\_STANDARD,SALARIU\_STANDARD+NVL(NUMAR\_ORE\_SUPLIMENTARE,0)\*100 FROM ANGAJATI\_SALON

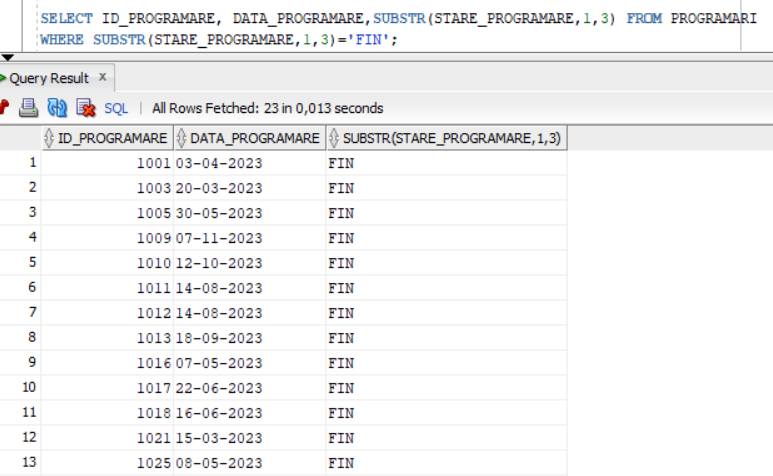
WHERE NUMAR\_ORE\_SUPLIMENTARE IS NOT NULL;



**4.8.Să se afișeze programarile finalizate folosind funcția SUBSTR.**

SELECT ID\_PROGRAMARE, DATA\_PROGRAMARE,SUBSTR(STARE\_PROGRAMARE,1,3) FROM PROGRAMARI

WHERE SUBSTR(STARE\_PROGRAMARE,1,3)='FIN';



**4.9. Să se aplice o reducere de 10% pentru clienții care au beneficiat de servicii cu o valoare mai mare de 300 de lei (se ține cont de faptul că un client putea să solicite mai multe servicii). Exemplu: clientul cu id-ul 151.**

SELECT SUM(S.PRET\_SERVICIU) SUMA\_TOTALA,I.ID\_CLIENT\_SALON,

CASE

WHEN SUM(S.PRET\_SERVICIU)>300 THEN SUM(S.PRET\_SERVICIU)\*0.1

ELSE SUM(S.PRET\_SERVICIU)

END REDUCERE,

CASE

WHEN SUM(S.PRET\_SERVICIU)>300 THEN 'S-A APLICAT REDUCEREA'

WHEN SUM(S.PRET\_SERVICIU)<=300 THEN 'NU S-A APLICAT REDUCEREA'

ELSE 'LIPSA'

END APLICARE

FROM SERVICII\_SALON S

JOIN ISTORIC\_SERVICII I

ON S.ID\_SERVICIU=I.ID\_SERVICIU

GROUP BY I.ID\_CLIENT\_SALON

ORDER BY I.ID\_CLIENT\_SALON



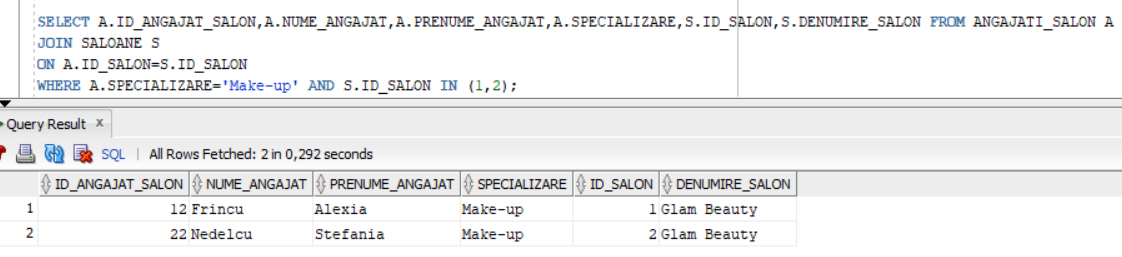
**4.10.Să se afișeze angajații care au ca specializare ‚Make-up’ și lucreaza în salonul cu id-ul 1 sau 2.**

SELECT A.ID\_ANGAJAT\_SALON,A.NUME\_ANGAJAT,A.PRENUME\_ANGAJAT,A.SPECIALIZARE,S.ID\_SALON,S.DENUMIRE\_SALON FROM ANGAJATI\_SALON A

JOIN SALOANE S

ON A.ID\_SALON=S.ID\_SALON

WHERE A.SPECIALIZARE='Make-up' AND S.ID\_SALON IN (1,2);



**4.11.Să se selecteze clienții cărora li se aplică reducerea de 10%, dar care au valoarea serviciilor mai mare de 350 lei.**

SELECT SUM(S.PRET\_SERVICIU) SUMA\_TOTALA,I.ID\_CLIENT\_SALON,

CASE

WHEN SUM(S.PRET\_SERVICIU)>300 THEN 'S-A APLICAT REDUCEREA'

WHEN SUM(S.PRET\_SERVICIU)<=300 THEN 'NU S-A APLICAT REDUCEREA'

ELSE 'LIPSA'

END APLICARE

FROM SERVICII\_SALON S

JOIN ISTORIC\_SERVICII I

ON S.ID\_SERVICIU=I.ID\_SERVICIU

GROUP BY I.ID\_CLIENT\_SALON

INTERSECT

SELECT SUM(S.PRET\_SERVICIU) SUMA\_TOTALA,I.ID\_CLIENT\_SALON,

CASE

WHEN SUM(S.PRET\_SERVICIU)>300 THEN 'S-A APLICAT REDUCEREA'

WHEN SUM(S.PRET\_SERVICIU)<=300 THEN 'NU S-A APLICAT REDUCEREA'

ELSE 'LIPSA'

END APLICARE

FROM SERVICII\_SALON S

JOIN ISTORIC\_SERVICII I

ON S.ID\_SERVICIU=I.ID\_SERVICIU

GROUP BY I.ID\_CLIENT\_SALON

HAVING SUM(S.PRET\_SERVICIU)>350

ORDER BY ID\_CLIENT\_SALON



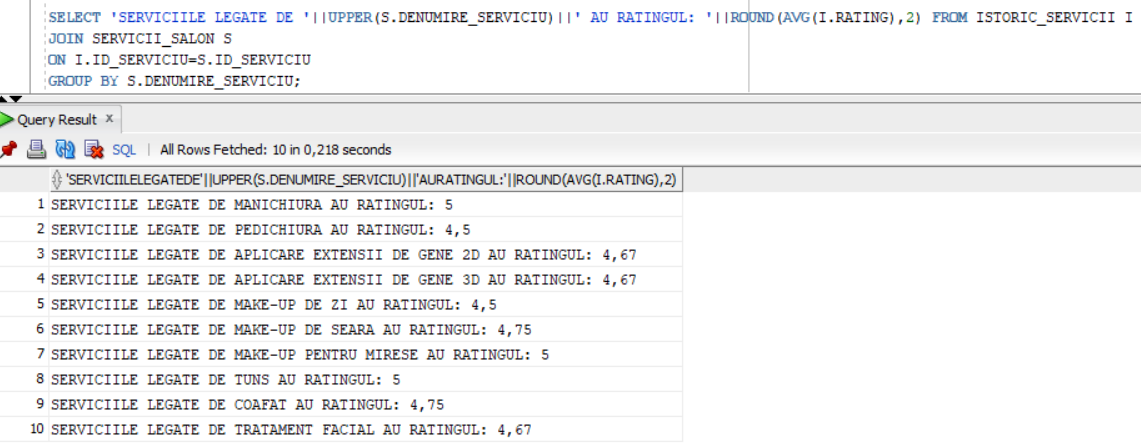
**4.12.Să se afișeze media ratingului pentru fiecare serviciu prestat:**

SELECT 'SERVICIILE LEGATE DE '||UPPER(S.DENUMIRE\_SERVICIU)||' AU RATINGUL: '||ROUND(AVG(I.RATING),2) FROM ISTORIC\_SERVICII I

JOIN SERVICII\_SALON S

ON I.ID\_SERVICIU=S.ID\_SERVICIU

GROUP BY S.DENUMIRE\_SERVICIU;



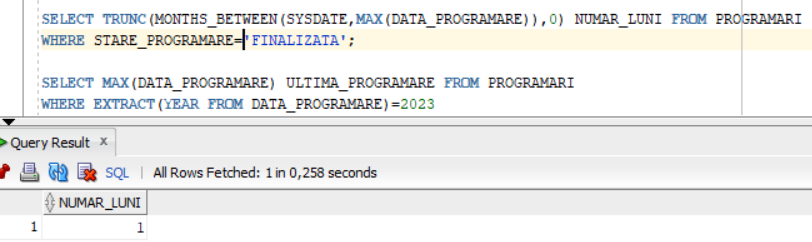
**4.13.Să se afișeze numărul de luni diferență dintre data curentă și data ultimei programări finalizate. Să se afișeze ultima programare.**

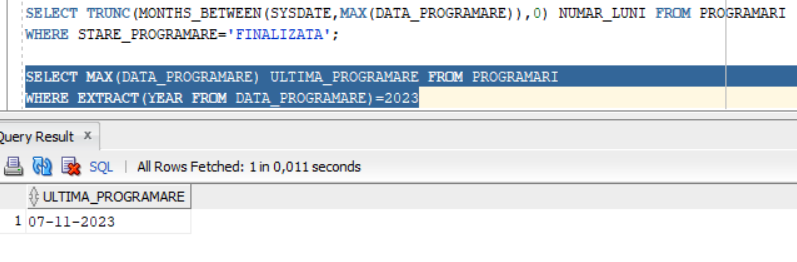
SELECT TRUNC(MONTHS\_BETWEEN(SYSDATE,MAX(DATA\_PROGRAMARE)),0) NUMAR\_LUNI FROM PROGRAMARI

WHERE STARE\_PROGRAMARE='FINALIZATA';

SELECT MAX(DATA\_PROGRAMARE) ULTIMA\_PROGRAMARE FROM PROGRAMARI

WHERE EXTRACT(YEAR FROM DATA\_PROGRAMARE)=2023





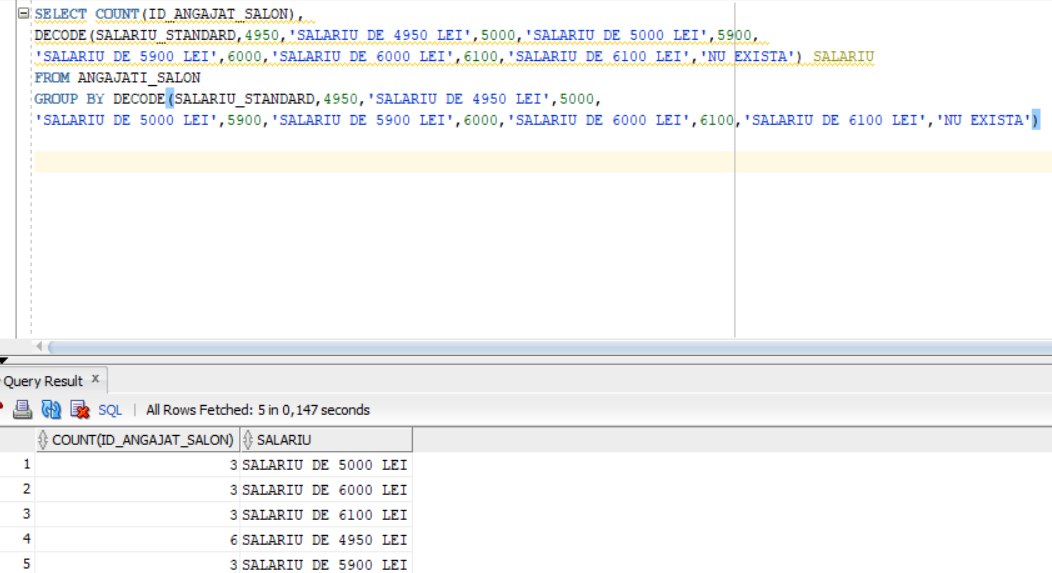
**4.14.Să se afișeze numărul de angajați care au un anumit salariu.**

SELECT COUNT(ID\_ANGAJAT\_SALON),

DECODE(SALARIU\_STANDARD,4950,'SALARIU DE 4950 LEI',5000,'SALARIU DE 5000 LEI',5900,'SALARIU DE 5900 LEI',6000,'SALARIU DE 6000 LEI',6100,'SALARIU DE 6100 LEI','NU EXISTA') SALARIU

FROM ANGAJATI\_SALON

GROUP BY DECODE(SALARIU\_STANDARD,4950,'SALARIU DE 4950 LEI',5000,'SALARIU DE 5000 LEI',5900,'SALARIU DE 5900 LEI',6000,'SALARIU DE 6000 LEI',6100,'SALARIU DE 6100 LEI','NU EXISTA')



**4.15.Să se afișeze clienții (băieți/fete) care au ales serviciul cu id-ul 47 – tuns .**

SELECT C.ID\_CLIENT\_SALON,C.NUME\_CLIENT\_SALON,C.PRENUME\_CLIENT\_SALON,C.SEX\_CLIENT, I.ID\_SERVICIU FROM CLIENTI\_SALON C

JOIN ISTORIC\_SERVICII I

ON C.ID\_CLIENT\_SALON=I.ID\_CLIENT\_SALON

WHERE C.SEX\_CLIENT='M' AND I.ID\_SERVICIU=47

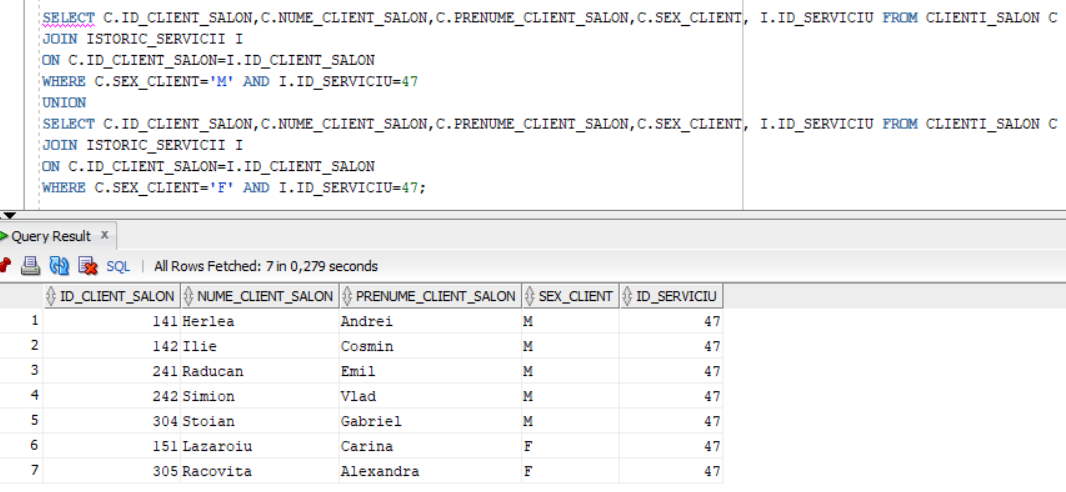
UNION

SELECT C.ID\_CLIENT\_SALON,C.NUME\_CLIENT\_SALON,C.PRENUME\_CLIENT\_SALON,C.SEX\_CLIENT, I.ID\_SERVICIU FROM CLIENTI\_SALON C

JOIN ISTORIC\_SERVICII I

ON C.ID\_CLIENT\_SALON=I.ID\_CLIENT\_SALON

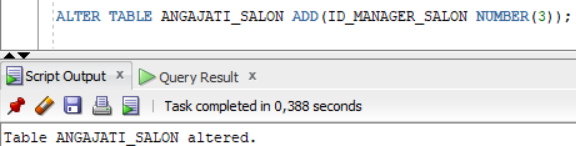
WHERE C.SEX\_CLIENT='F' AND I.ID\_SERVICIU=47;



**5. Implementarea interogărilor care conțin subcereri cereri ierarhice.**

**5.1. ADAUG O NOUĂ COLOANĂ ID\_MANAGER\_SALON**

ALTER TABLE ANGAJATI\_SALON ADD(ID\_MANAGER\_SALON NUMBER(3));



**5.1.1. Populez coloana**

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 11;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 12;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 13;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 14;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 15;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 10 WHERE ID\_ANGAJAT\_SALON = 20;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 21;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 22;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 23;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 24;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 25;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 20 WHERE ID\_ANGAJAT\_SALON = 30;

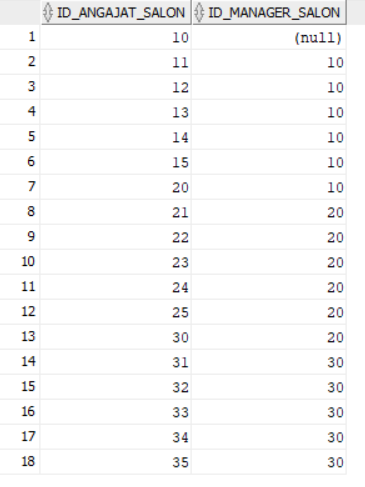
UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 30 WHERE ID\_ANGAJAT\_SALON = 31;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 30 WHERE ID\_ANGAJAT\_SALON = 32;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 30 WHERE ID\_ANGAJAT\_SALON = 33;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 30 WHERE ID\_ANGAJAT\_SALON = 34;

UPDATE ANGAJATI\_SALON SET ID\_MANAGER\_SALON = 30 WHERE ID\_ANGAJAT\_SALON = 35;



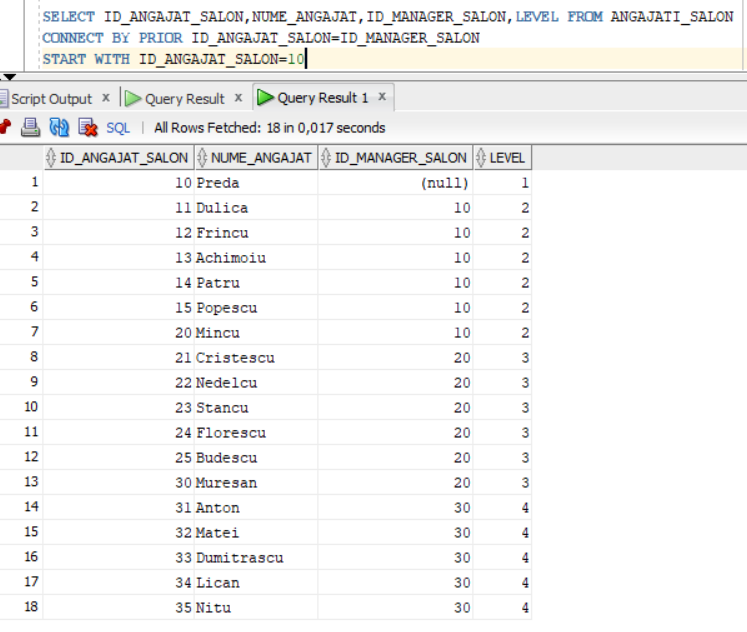
**5.2. Implementarea interogărilor**

5.2.1. Să se afiseze subordonații și levelul acestora pentru angajatului cu id-ul 10.

SELECT ID\_ANGAJAT\_SALON,NUME\_ANGAJAT,ID\_MANAGER\_SALON,LEVEL FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10



5.2.2. Să se afiseze ORGANIGRAMA pentru angajatul cu id-ul 10.

SELECT LEVEL,LPAD(' ',LEVEL)||NUME\_ANGAJAT FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10

ORDER BY LEVEL;



5.2.3. Să se afiseze ORGANIGRAMA pentru angajatul cu id-ul 10, folosim ORDER BY SIBLIBGS.

SELECT LEVEL,LPAD(' ',LEVEL)||NUME\_ANGAJAT FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10

ORDER SIBLINGS BY NUME\_ANGAJAT;



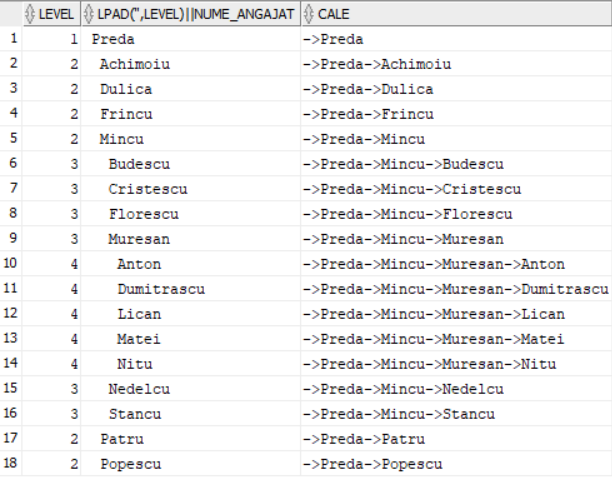
5.2.4. Să se afiseze CALEA pentru angajații direcți și indirecți pentru angajatul cu id-ul 10.

SELECT LEVEL,LPAD(' ',LEVEL)||NUME\_ANGAJAT, SYS\_CONNECT\_BY\_PATH(NUME\_ANGAJAT,'->') CALE FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10

ORDER SIBLINGS BY NUME\_ANGAJAT;



5.2.5. Să se selecteze angajații si gradul de subordonare numai pentru cei cu specializarea MANICHIURA și care aparțin salonului cu id-ul 2.

SELECT ID\_ANGAJAT\_SALON,NUME\_ANGAJAT,ID\_MANAGER\_SALON,LEVEL FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH INITCAP(SPECIALIZARE) LIKE 'Mani%' AND ID\_SALON=2;



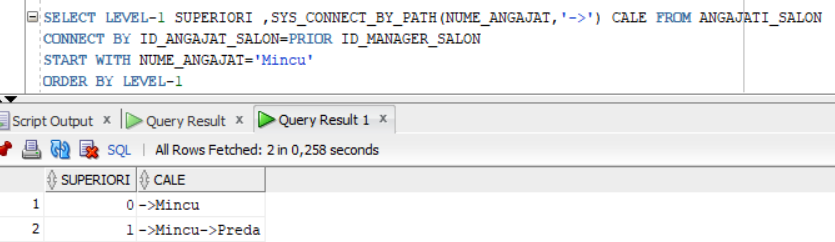
5.2.6. Să se afiseze superiorii angajatului cu numele ‚Mincu’.

SELECT LEVEL-1 SUPERIORI ,SYS\_CONNECT\_BY\_PATH(NUME\_ANGAJAT,'->') CALE FROM ANGAJATI\_SALON

CONNECT BY ID\_ANGAJAT\_SALON=PRIOR ID\_MANAGER\_SALON

START WITH NUME\_ANGAJAT='Mincu'

ORDER BY LEVEL-1



5.2.7. Să se afișeze numarul total de subordonați ai angajatului cu numele ‚Mincu’ în funcție de specializare.

SELECT SPECIALIZARE,COUNT(\*) TOTAL\_ANGAJATI FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON= ID\_MANAGER\_SALON

START WITH NUME\_ANGAJAT='Mincu'

GROUP BY SPECIALIZARE;



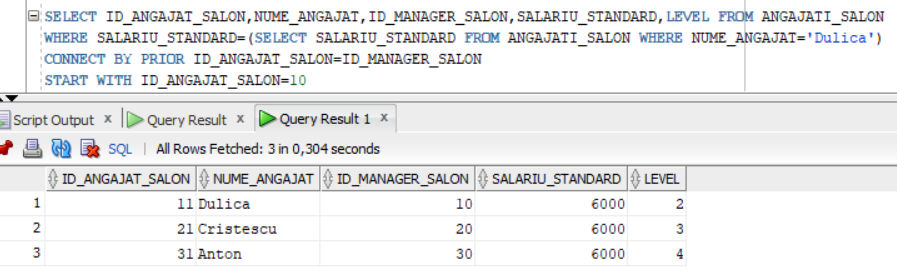
5.2.8. Să se afișeze toți subordonații angajatul cu id-ul 10 și care au salariul standard egal cu cel al angajatei Dulica Denisa.

SELECT ID\_ANGAJAT\_SALON,NUME\_ANGAJAT,ID\_MANAGER\_SALON,SALARIU\_STANDARD,LEVEL FROM ANGAJATI\_SALON

WHERE SALARIU\_STANDARD=(SELECT SALARIU\_STANDARD FROM ANGAJATI\_SALON WHERE NUME\_ANGAJAT='Dulica')

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10



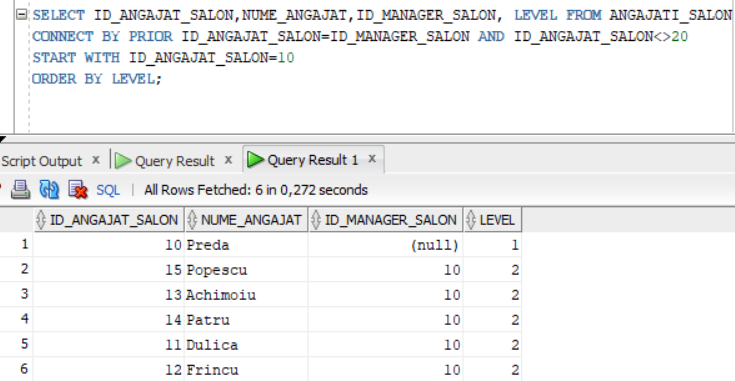
5.2.9. Să se afișeze toți subordonații angajatul cu id-ul 10, mai puțin angajatul cu id-ul 20 și subordonații săi.

SELECT ID\_ANGAJAT\_SALON,NUME\_ANGAJAT,ID\_MANAGER\_SALON, LEVEL FROM ANGAJATI\_SALON

CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON AND ID\_ANGAJAT\_SALON<>20

START WITH ID\_ANGAJAT\_SALON=10

ORDER BY LEVEL;



5.2.10. Să se afișeze câți subordonați are angajatul cu id-ul 10 pe fiecare nivel, luând in considerare doar angajații care au un număr de ore suplimentare egal cu cel al angajatului cu id-ul 15.

SELECT LEVEL,COUNT(ID\_ANGAJAT\_SALON) NUMAR\_ANGAJATI FROM ANGAJATI\_SALON

WHERE NUMAR\_ORE\_SUPLIMENTARE=(SELECT NUMAR\_ORE\_SUPLIMENTARE FROM ANGAJATI\_SALON WHERE ID\_ANGAJAT\_SALON=15)

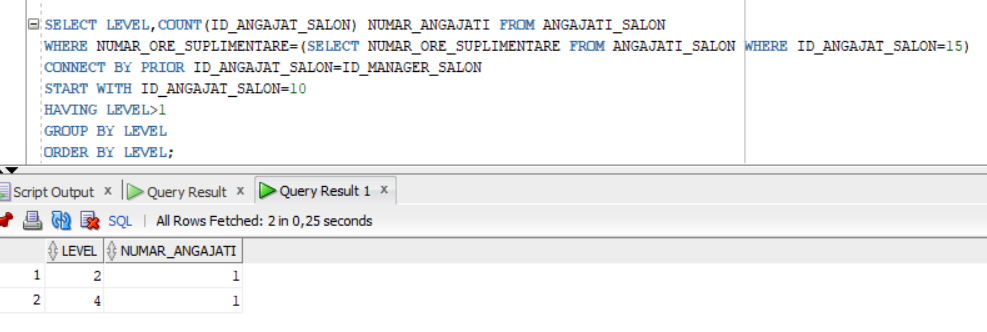
CONNECT BY PRIOR ID\_ANGAJAT\_SALON=ID\_MANAGER\_SALON

START WITH ID\_ANGAJAT\_SALON=10

HAVING LEVEL>1

GROUP BY LEVEL

ORDER BY LEVEL;



**6. Gestionarea tabelelor virtuale, indecși, sinonime, secvențe**

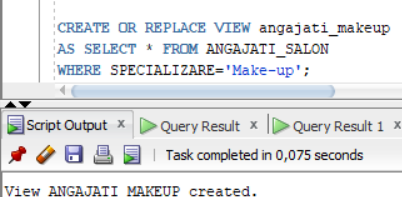
**6.1. TABELE VIRTUALE**

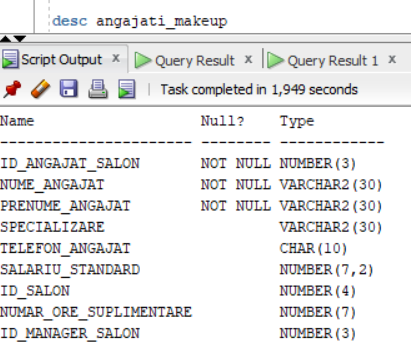
**6.1.1. Să se creeze o tabelă virtuală care conține doar angajații care au ca specializare MAKE-UP. Să se afișeze tabela.**

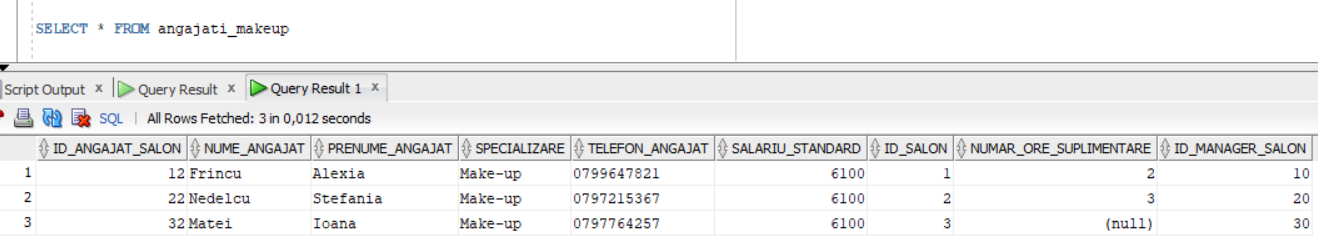
CREATE OR REPLACE VIEW angajati\_makeup

AS SELECT \* FROM ANGAJATI\_SALON

WHERE SPECIALIZARE='Make-up';







**6.1.2. Să se actualizeze salariul la 7000 de lei din tabela viruală.**

UPDATE angajati\_makeup SET SALARIU\_STANDARD=7000

SELECT \* FROM angajati\_makeup



**6.1.3. Să se creeze o tabelă virtuală care conține toate programările unde valoarea serviciului prestat a fost mai mare de 200.**

CREATE OR REPLACE VIEW programari\_v

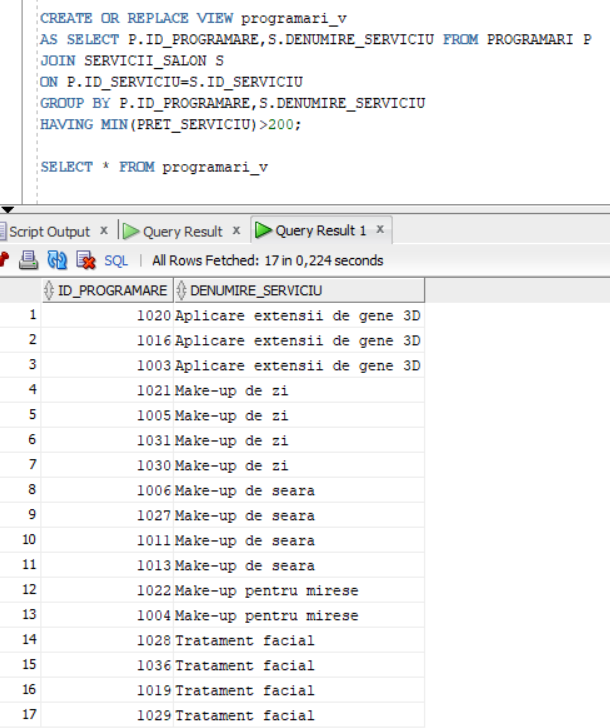
AS SELECT P.ID\_PROGRAMARE,S.DENUMIRE\_SERVICIU FROM PROGRAMARI P

JOIN SERVICII\_SALON S

ON P.ID\_SERVICIU=S.ID\_SERVICIU

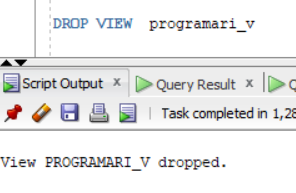
GROUP BY P.ID\_PROGRAMARE,S.DENUMIRE\_SERVICIU

HAVING MIN(PRET\_SERVICIU)>200;



**6.1.4. Să se steargă tabela virtuala programari\_v.**

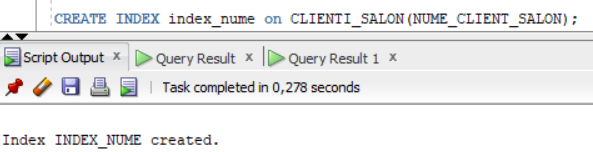
DROP VIEW programari\_v



**6.2. INDECȘI**

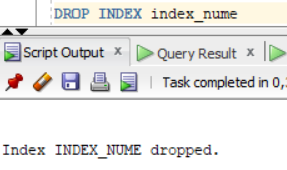
**6.2.1. Să se realizeze un index la tabela CLIENTI\_SALON cu numele clienților cu scopul de a ușura accesul la numele acestora.**

CREATE INDEX index\_nume on CLIENTI\_SALON(NUME\_CLIENT\_SALON);

****

**6.2.1. Să se șteargă indexul.**

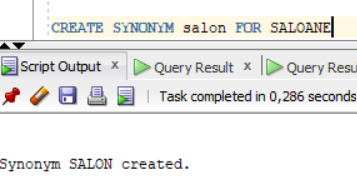
DROP INDEX index\_nume

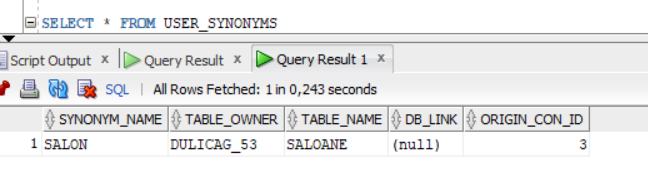
****

**6.3. SINONIME**

**6.3.1. Să se creeze un sinonim pentru tabela SALOANE.**

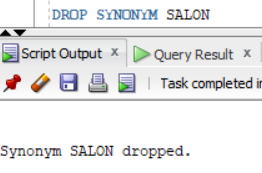
CREATE SYNONYM salon FOR SALOANE

****

****

**6.3.2. Să se șteargă sinonimul creat anterior.**

DROP SYNONYM SALON

****

**6.4. SECVENȚE**

**6.4.1. Să se creeze o secventa pentru asigurarea unicității cheii primare din tabela PROGRAMARI cu o valoare minimă de 1 și maximă de 100.**

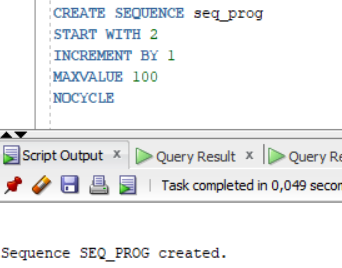
CREATE SEQUENCE seq\_prog

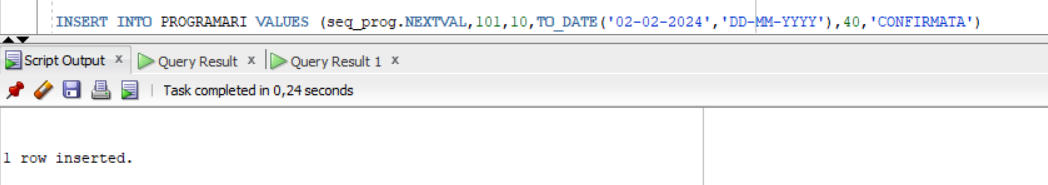
START WITH 2

INCREMENT BY 1

MAXVALUE 100

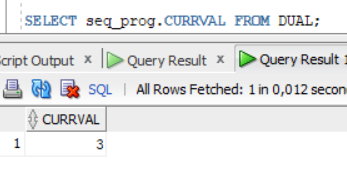
NOCYCLE

****

****

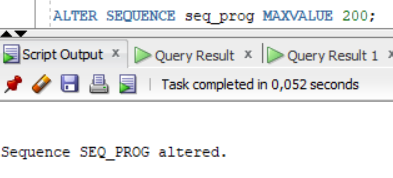
**6.4.2. Să se afișeze valoarea curentă a secvenței.**

SELECT seq\_prog.CURRVAL FROM DUAL;

****

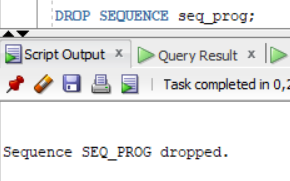
**6.4.3. Să se modifice valoarea maximă pentru această secvență.**

ALTER SEQUENCE seq\_prog MAXVALUE 200;

****

**6.4.4. Să se steargă secvența creată.**

DROP SEQUENCE seq\_prog;

****