**Cerinta 1**

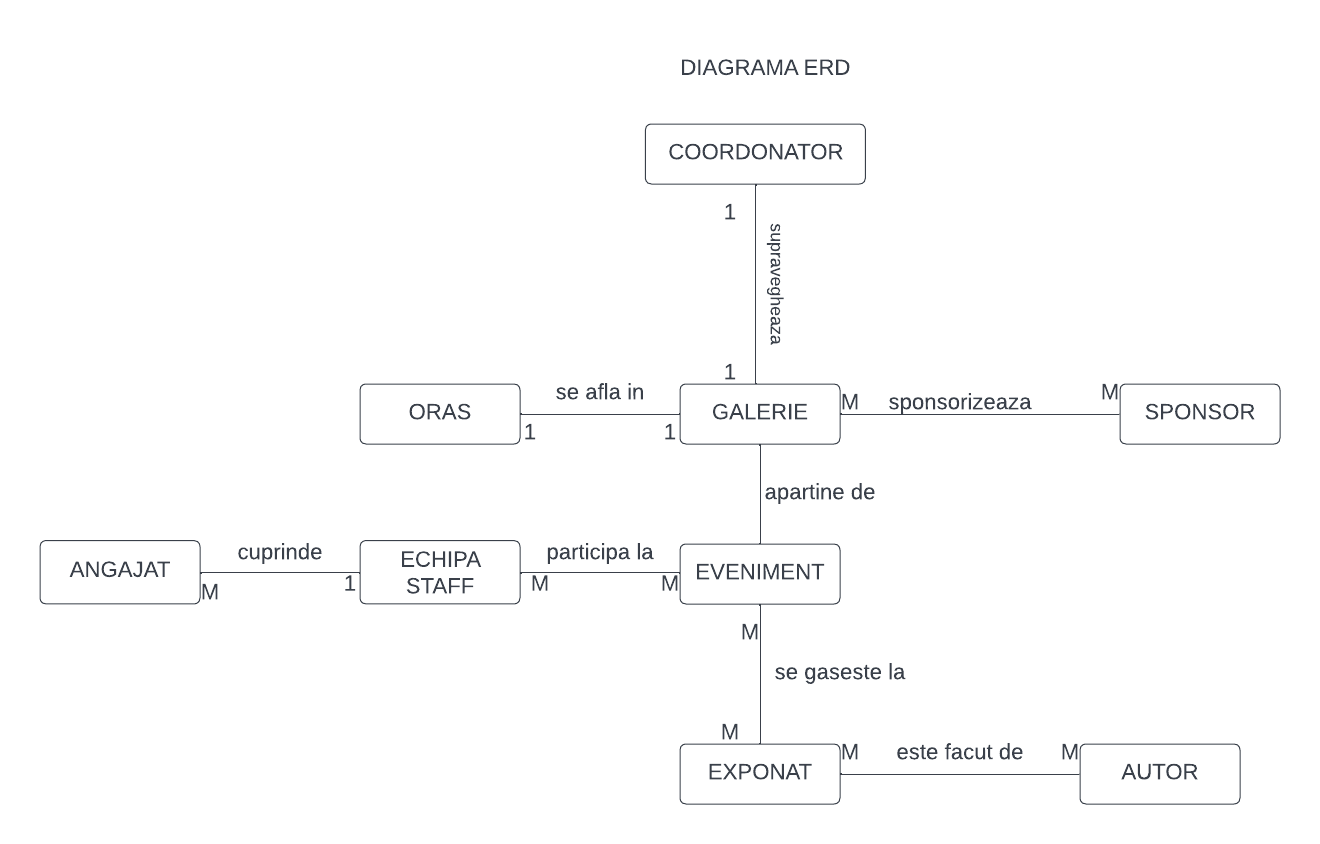
PROIECT SGDG

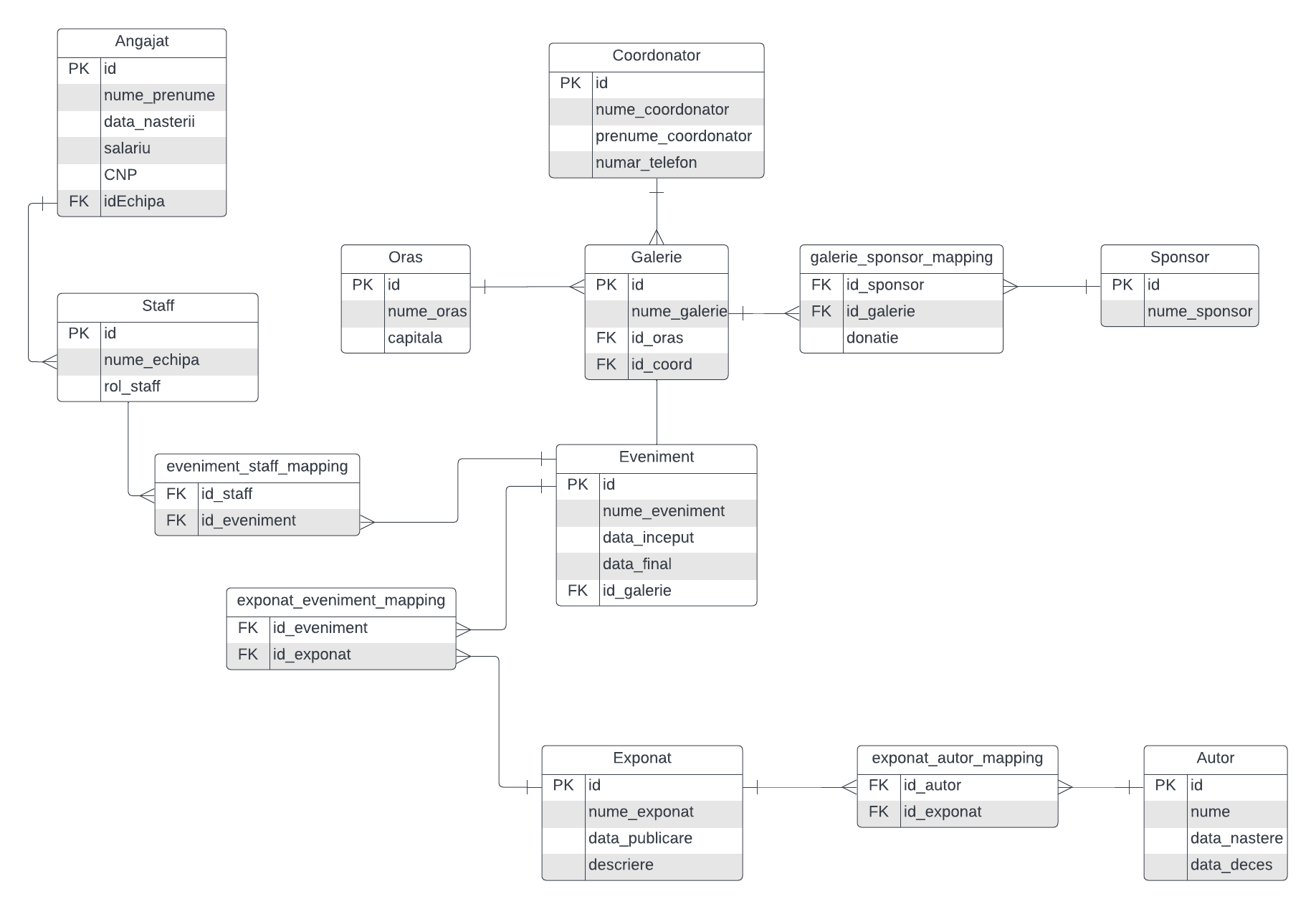
HÂRNAGEA ANDREI-ALEXANDRU

GESTIONAREA UNOR GALERII DE ARTĂ

GRUPA 242

**Am creat o bază de date pentru a facilita memorarea galeriilor de artă. O galerie are loc într-un singur oraș, este îndrumată de un singur coordonator și are mai mulți sponsori, care oferă donații. În cadrul unei galerii au loc mai multe evenimente. La un eveniment se prezintă exponate, care pot avea unul sau mai mulți autori. Pentru un evenument se pot angaja mai multe echipe staff, care un mai mulți angajați.**

**Cerinta 2**

**Cerinta 3**

**Cerinta 4**

Crearea tabelelor

CREATE TABLE AUTOR (

id\_autor NUMBER PRIMARY KEY,

nume\_autor varchar2(255) NOT NULL,

data\_nastere DATE NOT NULL,

data\_deces DATE

);

CREATE TABLE EXPONAT (

id\_exponat NUMBER PRIMARY KEY,

nume\_exponat varchar2(255) NOT NULL,

data\_publicare date,

descriere varchar2(255)

);

CREATE TABLE COORDONATOR (

id\_coord NUMBER PRIMARY KEY,

nume\_sponsor varchar2(255) NOT NULL,

prenume\_sponsor varchar2(255) NOT NULL,

numar\_telefon varchar2(255) NOT NULL

);

CREATE TABLE ORAS(

id\_oras NUMBER PRIMARY KEY,

nume\_oras varchar2(255) NOT NULL,

capitala NUMBER NOT NULL

);

CREATE TABLE GALERIE(

id\_galerie NUMBER PRIMARY KEY,

id\_oras NUMBER,

id\_coord NUMBER,

nume\_galerie varchar2(255) NOT NULL,

FOREIGN KEY (id\_oras) REFERENCES ORAS(id\_oras) ON DELETE SET NULL,

FOREIGN KEY (id\_coord) REFERENCES COORDONATOR(id\_coord) ON DELETE SET NULL

);

CREATE TABLE EVENIMENT (

id\_eveniment NUMBER PRIMARY KEY,

id\_galerie NUMBER,

nume\_eveniment VARCHAR2(255) NOT NULL,

data\_inceput date NOT NULL,

data\_final date NOT NULL,

FOREIGN KEY (id\_galerie) REFERENCES GALERIE(id\_galerie) ON DELETE SET NULL

);

CREATE TABLE SPONSOR(

id\_sponsor NUMBER PRIMARY KEY,

nume\_sponsor VARCHAR2(255) NOT NULL

);

CREATE TABLE STAFF(

id\_staff NUMBER PRIMARY KEY,

nume\_echipa VARCHAR2(255),

rol\_staff VARCHAR2(255)

);

CREATE TABLE ANGAJAT(

id\_angajat NUMBER PRIMARY KEY,

nume\_anagajat VARCHAR2(255) NOT NULL,

prenume\_anagajat VARCHAR2(255) NOT NULL,

data\_nastere DATE NOT NULL,

salariu NUMBER NOT NULL,

CNP VARCHAR2(255) NOT NULL,

id\_staff NUMBER,

FOREIGN KEY (id\_staff) REFERENCES STAFF(id\_staff) ON DELETE SET NULL

);

CREATE TABLE EVENIMENT\_STAFF\_MAPPING(

id\_staff NUMBER,

id\_eveniment NUMBER,

PRIMARY KEY(id\_staff,id\_eveniment),

FOREIGN KEY (id\_staff) REFERENCES STAFF(id\_staff) ON DELETE SET NULL,

FOREIGN KEY (id\_eveniment) REFERENCES EVENIMENT(id\_eveniment) ON DELETE SET NULL

);

CREATE TABLE EXPONAT\_AUTOR\_MAPPING(

id\_autor NUMBER,

id\_exponat NUMBER,

PRIMARY KEY(id\_autor,id\_exponat),

FOREIGN KEY (id\_autor) REFERENCES AUTOR(id\_autor) ON DELETE SET NULL,

FOREIGN KEY (id\_exponat) REFERENCES EXPONAT(id\_exponat) ON DELETE SET NULL

);

CREATE TABLE GALERIE\_SPONSOR\_MAPPING(

id\_galerie NUMBER,

id\_sponsor NUMBER,

donatie NUMBER not null,

PRIMARY KEY (id\_galerie, id\_sponsor),

FOREIGN KEY (id\_galerie) REFERENCES GALERIE(id\_galerie) ON DELETE SET NULL,

FOREIGN KEY (id\_sponsor) REFERENCES SPONSOR(id\_sponsor) ON DELETE SET NULL

);

CREATE TABLE EXPONAT\_EVENIMENT\_MAPPING(

id\_eveniment NUMBER,

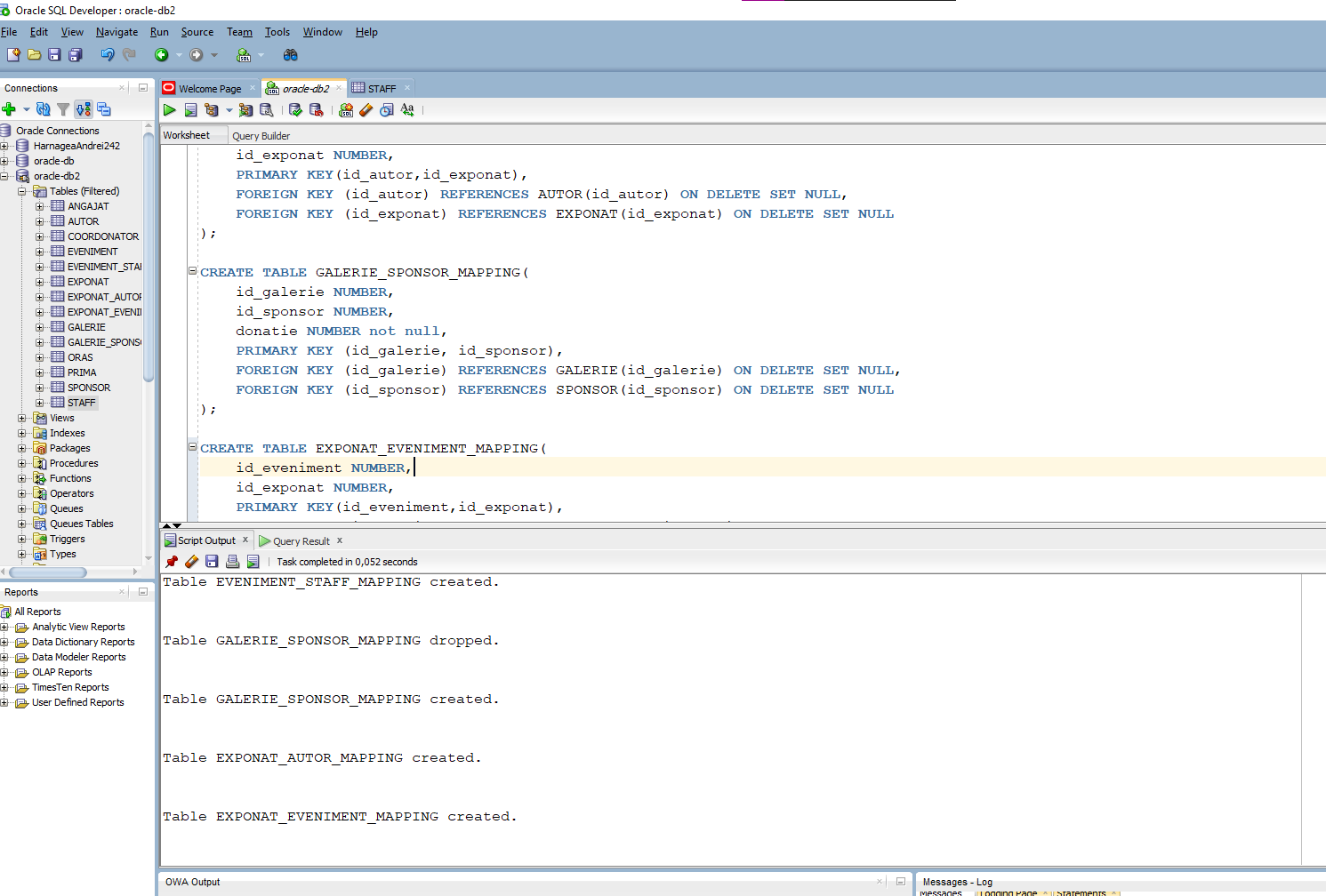
id\_exponat NUMBER,

PRIMARY KEY(id\_eveniment,id\_exponat),

FOREIGN KEY (id\_eveniment) REFERENCES EVENIMENT(id\_eveniment) ON DELETE SET NULL,

FOREIGN KEY (id\_exponat) REFERENCES EXPONAT(id\_exponat) ON DELETE SET NULL

);



**Cerinta 5**

insert into SPONSOR (id\_sponsor, nume\_sponsor) values (1, 'Skimia');

insert into SPONSOR (id\_sponsor, nume\_sponsor) values (2, 'Plajo');

insert into SPONSOR (id\_sponsor, nume\_sponsor) values (3, 'Voolia');

insert into SPONSOR (id\_sponsor, nume\_sponsor) values (4, 'Topicblab');

insert into SPONSOR (id\_sponsor, nume\_sponsor) values (5, 'Riffwire');

select \* from sponsor

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (1, 'Van Gogh', '13-09-1951', '06-10-1984');

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (2, 'Picasso', '28-11-1991', NULL);

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (3, 'Castelli', '18-06-1985', '19-12-2009');

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (4, 'Carolynn', '29-08-1989', NULL);

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (5, 'Da Vinci', '05-03-1975', '13-10-2018');

insert into AUTOR (id\_autor, nume\_autor, data\_nastere, data\_deces) values (6, 'Chell', '17-07-1960', NULL);

SELECT \* FROM AUTOR

insert into COORDONATOR (id\_coord, nume\_coordonator, prenume\_coordonator, numar\_telefon) values (1, 'des Remedios', 'Milty', '661 355 2788');

insert into COORDONATOR (id\_coord, nume\_coordonator, prenume\_coordonator, numar\_telefon) values (2, 'Howsden', 'Hannis', '851 662 1805');

insert into COORDONATOR (id\_coord, nume\_coordonator, prenume\_coordonator, numar\_telefon) values (3, 'Byforth', 'Hy', '302 853 4191');

insert into COORDONATOR (id\_coord, nume\_coordonator, prenume\_coordonator, numar\_telefon) values (4, 'Folley', 'Xerxes', '888 630 2960');

insert into COORDONATOR (id\_coord, nume\_coordonator, prenume\_coordonator, numar\_telefon) values (5, 'Broadis', 'Renado', '215 129 8433');

SELECT \* FROM COORDONATOR

insert into STAFF (id\_staff, nume\_echipa, rol\_staff) values (1, 'Fotografii', 'fotografie');

insert into STAFF (id\_staff, nume\_echipa, rol\_staff) values (2, 'Bucatarii', 'catering');

insert into STAFF (id\_staff, nume\_echipa, rol\_staff) values (3, 'Luminatii', 'lumini');

insert into STAFF (id\_staff, nume\_echipa, rol\_staff) values (4, 'Masinele', 'transport');

insert into STAFF (id\_staff, nume\_echipa, rol\_staff) values (5, 'Gardienii', 'body-guards');

SELECT \* FROM STAFF

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (1, 'Rudderham', 'Alli', '19-08-2001', 1567, '561017087225946895', 1);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (2, 'Jurges', 'Lynette', '21-12-1982', 2270, '3561813473931435', 1);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (3, 'McCulley', 'Hendrick', '21-11-1979', 2780, '4026616165983581', 1);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (4, 'Neumann', 'Aloysius', '05-09-1998', 4882, '3570830634142362', 2);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (5, 'Murfin', 'Constantin', '29-09-1980', 2748, '5303845895843085', 2);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (6, 'Colville', 'Solly', '07-01-1971', 2176, '63040369063298219', 2);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (7, 'McGettrick', 'Jeddy', '11-03-1976', 4400, '5602245404939466', 2);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (8, 'Christescu', 'Steven', '23-01-1967', 4565, '36532667146898', 2);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (9, 'Farrens', 'Vasili', '04-04-1967', 2156, '3539528611653019', 3);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (10, 'Christescu', 'Hobey', '09-06-1984', 3580, '560223844255436250', 3);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (11, 'Myall', 'Denni', '18-11-1970', 2161, '3564352220627936', 3);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (12, 'Greenlies', 'Eugen', '24-01-1999', 3629, '5610695640397392', 4);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (13, 'Neeson', 'Weider', '07-01-1988', 2207, '3576378139687378', 4);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (14, 'Comini', 'Deny', '16-03-1981', 4107, '5602233476673742', 4);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (15, 'Burrell', 'Felicle', '28-10-1985', 2193, '3549037879008427', 4);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (16, 'Badland', 'Lek', '11-01-1972', 3288, '3574996911389939', 5);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (17, 'Canete', 'Bebe', '04-11-1985', 2671, '633424762069417930', 5);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (18, 'Christofle', 'Tremayne', '05-01-2001', 3694, '4508859506024551', 3);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (19, 'Heeron', 'Mechelle', '11-07-1997', 2452, '4844780974268905', null);

insert into ANGAJAT (id\_angajat, nume\_angajat, prenume\_angajat, data\_nastere, salariu, CNP, id\_staff) values (20, 'Spaight', 'Lilah', '27-05-1997', 4107, '3578494216089996', null);

SELECT \* FROM ANGAJAT

SELECT \* FROM AUTOR

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (1, 'OXYCODONE', '30/9/2013', 'Digitized explicit parallelism');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (2, 'Starry Night', '6/7/2007', 'Synergistic heuristic adapter');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (3, 'MORUS', '2/7/1999', 'Right-sized mobile service-desk');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (4, 'Plus', '7/5/2002', 'User-centric zero tolerance parallelism');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (5, 'anti', '5/12/2022', 'Front-line content-based success');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (6, 'Metronidazole', null, 'Total empowering strategy');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (7, 'PROMETHAZINE', '7/12/2001', 'Enhanced tertiary process improvement');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (8, 'Anti Itch', null, 'Total fresh-thinking project');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (9, 'Peisaj', '28/2/2002', 'Ergonomic global intranet');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (10, 'PrePost', '10/10/2008', 'Switchable composite array');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (11, 'Cedar Elm', '12/3/1998', 'Persevering fresh-thinking throughput');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (12, 'Sleep Aid', '24/6/1995', null);

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (13, 'HONIBE', '11/11/2007', null);

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (14, 'METHYLIN', null, 'Expanded local neural-net');

insert into EXPONAT (id\_EXPONAT, nume\_exponat, data\_publicare, descriere) values (15, 'Volcano', '26/8/2008', null);

insert into ORAS (id\_oras, nume\_oras, capitala) values (1, 'Paris', 1);

insert into ORAS (id\_oras, nume\_oras, capitala) values (2, 'Porto Ferreira', 0);

insert into ORAS (id\_oras, nume\_oras, capitala) values (3, 'New York', 0);

insert into ORAS (id\_oras, nume\_oras, capitala) values (4, 'Tr Vinh', 0);

insert into ORAS (id\_oras, nume\_oras, capitala) values (5, 'Bucuresti', 1);

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (1, 1, 1, 'Primavera');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (2, 2, 2, 'The Best');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (3, 3, 3, 'Aperture');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (4, 4, 4, 'Salt Mines');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (5, 5, 5, 'Mechanical');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (6, 1, 5, 'Quirkcy');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (7, 5, 4, 'Blck Mesa');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (1, 1, 'Latlux', '12/06/2014', '24/07/2014');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (2, 1, 'Quo Lux', '24/03/2012', '11/04/2012');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (3, 2, 'Prodder', '22/02/2012', '16/03/2012');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (4, 2, 'Flowdesk', '02/08/2014', '24/08/2014');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (5, 2, 'Greenlam', '02/02/2018', '12/02/2018');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (6, 3, 'Latlux', '31/07/2013', '12/08/2013');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (7, 3, 'Fix San', '07/07/2020', '29/10/2020');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (8, 4, 'Ventosanzap', '06/01/2019', '11/01/2019');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (9, 4, 'Job', '19/06/2021', '01/07/2021');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (10, 4, 'Stim', '20/01/2016', '15/02/2016');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (11, 4, 'Konklab', '29/06/2018', '09/07/2019');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (12, 5, 'Domainer', '03/01/2015', '06/04/2015');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (13, 5, 'Fix San', '4/08/2014', '13/08/2014');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (14, 6, 'Namfix', '12/06/2015', '27/09/2015');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (15, 7, 'Subin', '09/09/2015', '27/12/2015');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (16, 7, 'Y-Solowarm', '09/04/2019', '29/07/2019');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (17, 7, 'Pannier', '30/07/2021', '31/08/2021');

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (1, 1, 10000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (1, 2, 7000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (2, 1, 14000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (2, 3, 20000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (2, 4, 5000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (3, 5, 2000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (3, 1, 5700);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (4, 1, 8000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (5, 2, 9000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (5, 1, 400);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (6, 3, 6000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (6, 4, 900);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (6, 5, 6000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (6, 3, 4000);

INSERT INTO GALERIE\_SPONSOR\_MAPPING (id\_galerie, id\_sponsor, donatie) values (1, 3, 1000);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (7, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (1, 11);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (5, 1);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (5, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (6, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (7, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (13, 11);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (6, 5);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (2, 13);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (13, 2);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (5, 2);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (17, 3);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (7, 5);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (13, 7);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (7, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (3, 8);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (8, 7);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (12, 9);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (5, 13);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (4, 3);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (4, 10);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (2, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (11, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (4, 12);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 1);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (1, 8);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (15, 13);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (2, 1);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (15, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 11);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (12, 14);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (2, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (12, 3);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (8, 1);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (10, 4);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 5);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (4, 6);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (6, 11);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (3, 2);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (2, 10);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (7, 1);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (13, 8);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 9);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (13, 9);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (14, 5);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (9, 8);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (6, 11);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (17, 2);

insert into EXPONAT\_EVENIMENT\_MAPPING (id\_eveniment, id\_EXPONAT) values (16, 13);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (1,1);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (2,5);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (3,6);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (4,6);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (5,2);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (6,3);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (7,1);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (8,4);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (9,4);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (10,2);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (2,11);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (2,12);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (3,12);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (4,12);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (4,13);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (6,13);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (5,14);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (2,14);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (5,15);

insert into EXPONAT\_AUTOR\_MAPPING(id\_autor, id\_exponat) values (3,15);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (1, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (1, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (10, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (11, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (11, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (12, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (12, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (13, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (13, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (14, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (14, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (14, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (14, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (15, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (15, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (15, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (17, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (17, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (17, 5);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (2, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (3, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (4, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (4, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (4, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (4, 5);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (5, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (5, 2);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (5, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (6, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (6, 5);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (7, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (8, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (8, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (9, 1);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (9, 3);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (9, 4);

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (9, 5);

**Cerinta 6**

--Pentru o galerie sa se afiseze echipele staff care paticipa la un eveniment

CREATE OR REPLACE PROCEDURE CERINTA6 (numegale GALERIE.nume\_galerie%type)

AS

TYPE tab\_indx IS TABLE OF EVENIMENT%ROWTYPE INDEX BY PLS\_INTEGER;

evenimente tab\_indx;

TYPE lista\_nested IS TABLE OF STAFF%rowtype;

aux\_staff lista\_nested := lista\_nested();

nr NUMBER;

nr\_staffs NUMBER;

BEGIN

SELECT e.id\_eveniment,e.id\_galerie, e.nume\_eveniment, e.data\_inceput, e.data\_final

BULK COLLECT INTO evenimente

FROM EVENIMENT e, GALERIE g

WHERE e.id\_galerie = g.id\_galerie AND UPPER(g.nume\_galerie) LIKE UPPER(numegale) ;

SELECT COUNT(\*)

INTO nr

FROM EVENIMENT e, GALERIE g

WHERE e.id\_galerie = g.id\_galerie AND UPPER(g.nume\_galerie) LIKE UPPER(numegale)

GROUP BY g.id\_galerie;

DBMS\_OUTPUT.PUT\_LINE('Nr evenimente la galeria '|| numegale || ' ' || nr);

FOR i in evenimente.first..evenimente.last LOOP

SELECT s.id\_staff, s.nume\_echipa, s.rol\_staff

BULK COLLECT INTO aux\_staff

FROM EVENIMENT\_STAFF\_MAPPING esm, EVENIMENT e, STAFF s

WHERE s.id\_staff = esm.id\_staff AND esm.id\_eveniment = e.id\_eveniment AND e.id\_eveniment = evenimente(i).id\_eveniment;

--DBMS\_OUTPUT.PUT\_LINE(aux\_staff.count);

nr\_staffs := aux\_staff.count;

IF nr\_staffs = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('Evenimentul nu are staffs!');

END IF;

IF nr\_staffs >0 THEN

DBMS\_OUTPUT.PUT\_LINE('Evenimentul ' || evenimente(i).nume\_eveniment || ' a angajat ' || nr\_staffs || ' echipe');

FOR j in aux\_staff .first..aux\_staff.last LOOP

DBMS\_OUTPUT.PUT\_LINE(aux\_staff(j).nume\_echipa);

END LOOP;

END IF;

END LOOP;

END;

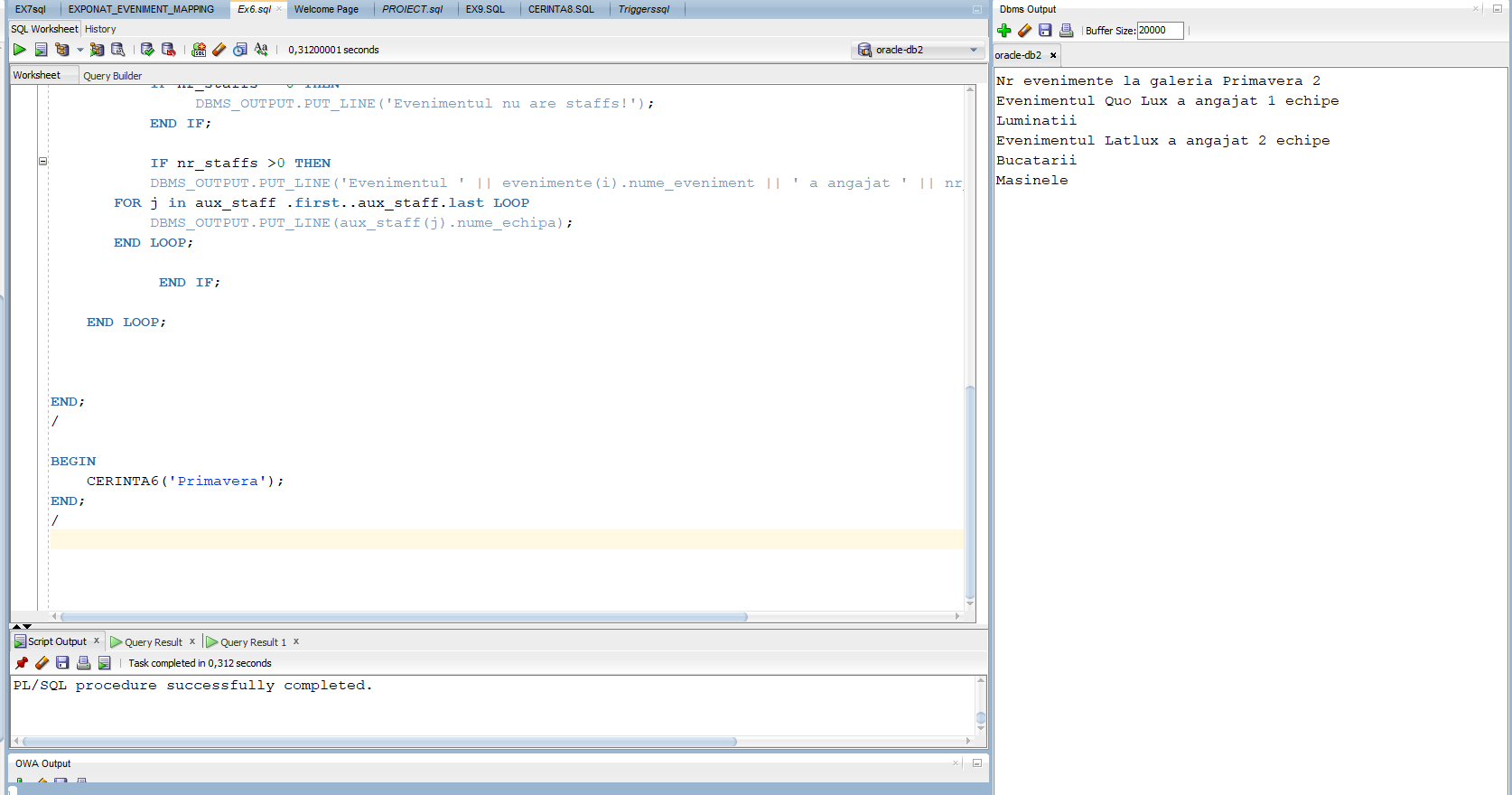
/

BEGIN

CERINTA6('Primavera');

END;

/



**Cerinta 7**

--Sa se afiseze galeriile, evenimentele acelei galerii si exponatele ce apar la

--galerie a unui oras

CREATE OR REPLACE PROCEDURE CERINTA7(numeor ORAS.nume\_oras%type)

AS

CURSOR GALERII IS

SELECT \*

FROM galerie

WHERE id\_oras = (

SELECT id\_oras

FROM ORAS

WHERE upper(nume\_oras) LIKE upper(numeor)

);

CURSOR events(galerieid GALERIE.id\_galerie%type) IS

SELECT nume\_eveniment, id\_eveniment

FROM EVENIMENT

WHERE id\_galerie = galerieid ;

CURSOR arts(idev EVENIMENT.id\_eveniment%type) IS

SELECT nume\_exponat || ' About: '|| descriere

FROM EXPONAT\_EVENIMENT\_MAPPING eem

INNER JOIN EXPONAT E

ON E.id\_exponat = eem.id\_exponat

WHERE eem.id\_eveniment = idev;

den eveniment.nume\_eveniment%TYPE;

evid eveniment.nume\_eveniment%TYPE;

text VARCHAR2(250);

BEGIN

for i in galerii

LOOP

DBMS\_OUTPUT.PUT\_LINE('Galeria ' || i.nume\_galerie);

for j in events(i.id\_galerie) LOOP

DBMS\_OUTPUT.PUT\_LINE('Eveniment ' || j.nume\_eveniment);

OPEN arts(j.id\_eveniment);

LOOP

FETCH arts INTO text;

EXIT WHEN arts%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(' ' || text);

END LOOP;

CLOSE arts;

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_');

END LOOP;

END;

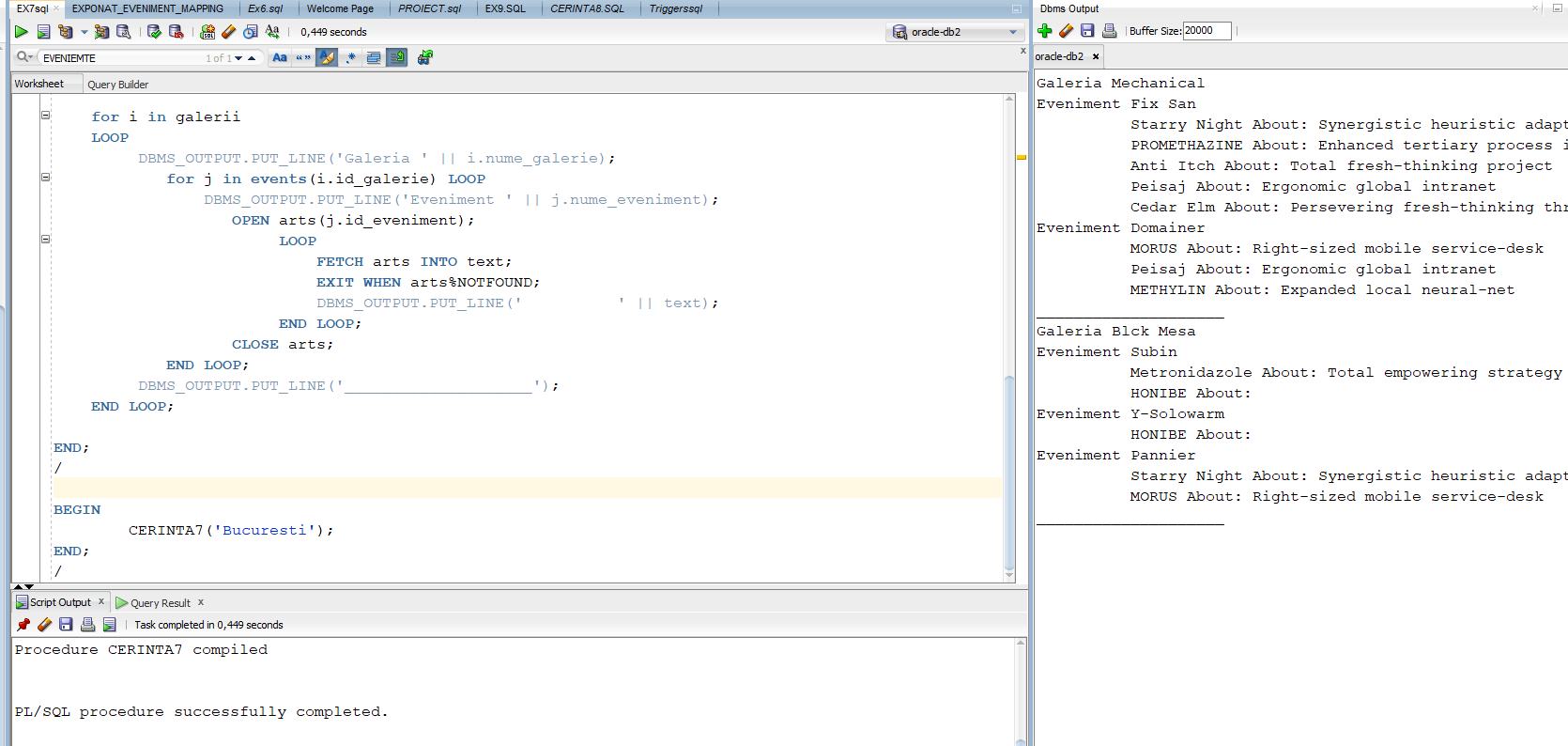
/

BEGIN

CERINTA7('Bucuresti');

END;

/



**CERINTA 8**

--pentru fiecare galerie sa sa calculeze profitul acesta fiind diferenta dintre donatiile primite si suma salariilor staffului

CREATE OR REPLACE FUNCTION CERINTA8(numegal galerie.nume\_galerie%type) RETURN NUMBER

IS

donatii NUMBER;

datorii NUMBER;

profit NUMBER;

TYPE tabl\_indx IS TABLE OF GALERIE%ROWTYPE INDEX BY PLS\_INTEGER;

aux tabl\_indx;

TYPE tabl\_indx\_sps IS TABLE OF GALERIE\_SPONSOR\_MAPPING%ROWTYPE INDEX BY PLS\_INTEGER;

aux\_sps tabl\_indx\_sps;

TYPE tabl\_indx\_ang IS TABLE OF ANGAJAT%ROWTYPE INDEX BY PLS\_INTEGER;

aux\_ang tabl\_indx\_ang;

NO\_DATA\_FOUND\_GAL EXCEPTION;

NO\_DATA\_FOUND\_DATORIE EXCEPTION;

TOO\_MANY\_ROWS EXCEPTION;

BEGIN

donatii:=0;

datorii:=0;

SELECT \*

BULK COLLECT INTO aux

from GALERIE

WHERE numegal = galerie.nume\_galerie;

IF SQL%NOTFOUND THEN

RAISE NO\_DATA\_FOUND\_GAL;

END IF;

IF aux.count>1 THEN

RAISE TOO\_MANY\_ROWS;

END IF;

--DONATIILE

SELECT gsm.id\_galerie, gsm.id\_sponsor, gsm.donatie

BULK COLLECT INTO aux\_sps

FROM GALERIE g

INNER JOIN GALERIE\_SPONSOR\_MAPPING gsm ON g.id\_galerie = gsm.id\_galerie

WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal);

IF SQL%NOTFOUND THEN

RAISE NO\_DATA\_FOUND\_DATORIE;

END IF;

SELECT sum(donatie)

INTO DONATII

FROM GALERIE g

INNER JOIN GALERIE\_SPONSOR\_MAPPING gsm ON g.id\_galerie = gsm.id\_galerie

WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal)

group by nume\_galerie;

--Salariile

SELECT an.id\_angajat,an.nume\_angajat, an.prenume\_angajat, an.data\_nastere, an.salariu, an.cnp, an.id\_staff

BULK COLLECT INTO aux\_ang

FROM GALERIE g

INNER JOIN EVENIMENT ev ON g.id\_galerie = ev.id\_galerie

INNER JOIN EVENIMENT\_STAFF\_MAPPING ESM ON esm.id\_eveniment = ev.id\_eveniment

INNER join STAFF s on s.id\_staff = esm.id\_staff

INNER join angajat an on an.id\_STAFF = s.id\_staff

WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal);

IF SQL%NOTFOUND THEN

datorii:=0;

ELSE

SELECT sum(salariu)

INTO DATORII

FROM GALERIE g

INNER JOIN EVENIMENT ev ON g.id\_galerie = ev.id\_galerie

INNER JOIN EVENIMENT\_STAFF\_MAPPING ESM ON esm.id\_eveniment = ev.id\_eveniment

inner join STAFF s on s.id\_staff = esm.id\_staff

inner join angajat an on an.id\_angajat = s.id\_staff

WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal)

GROUP BY nume\_galerie;

END IF;

profit:= donatii-datorii;

IF PROFIT < 0 THEN

RAISE NO\_DATA\_FOUND\_DATORIE;

END IF;

DBMS\_OUTPUT.PUT\_LINE(profit);

return profit;

EXCEPTION

WHEN NO\_DATA\_FOUND\_GAL THEN

DBMS\_OUTPUT.PUT\_LINE('Nu exista aceasta galerie!');

RETURN -1000;

WHEN NO\_DATA\_FOUND\_DATORIE THEN

DBMS\_OUTPUT.PUT\_LINE('Nu a realizat niciun profit!');

RETURN -1000;

WHEN TOO\_MANY\_ROWS THEN

DBMS\_OUTPUT.PUT\_LINE('Exista mai multe galerii cu acest nume!');

RETURN -1000;

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Alta eroare!');

RETURN -1000;

END;

/

DECLARE

aux NUMBER;

BEGIN

aux := CERINTA8('Primavera');

DBMS\_OUTPUT.PUT\_LINE(aux);

aux := CERINTA8('Bjork');

aux := CERINTA8('Datorie');

aux := CERINTA8('Quirkcy');

END;

/

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (9, 1, 1, 'Quirkcy');

insert into galerie (id\_galerie, id\_oras, id\_coord, nume\_galerie) values (8, 1, 1, 'Datorie');

insert into EVENIMENT (id\_eveniment, id\_galerie, nume\_eveniment, data\_inceput, data\_final) values (18, 8, 'Nomooney', '12/06/2014', '24/07/2014');

insert into EVENIMENT\_STAFF\_MAPPING (id\_eveniment, id\_staff) values (18, 2);

SELECT \* FROM GALERIE

SELECT nume\_galerie, sum(salariu) as Datorie FROM GALERIE g

INNER JOIN EVENIMENT ev ON g.id\_galerie = ev.id\_galerie

INNER JOIN EVENIMENT\_STAFF\_MAPPING ESM ON esm.id\_eveniment = ev.id\_eveniment

inner join STAFF s on s.id\_staff = esm.id\_staff

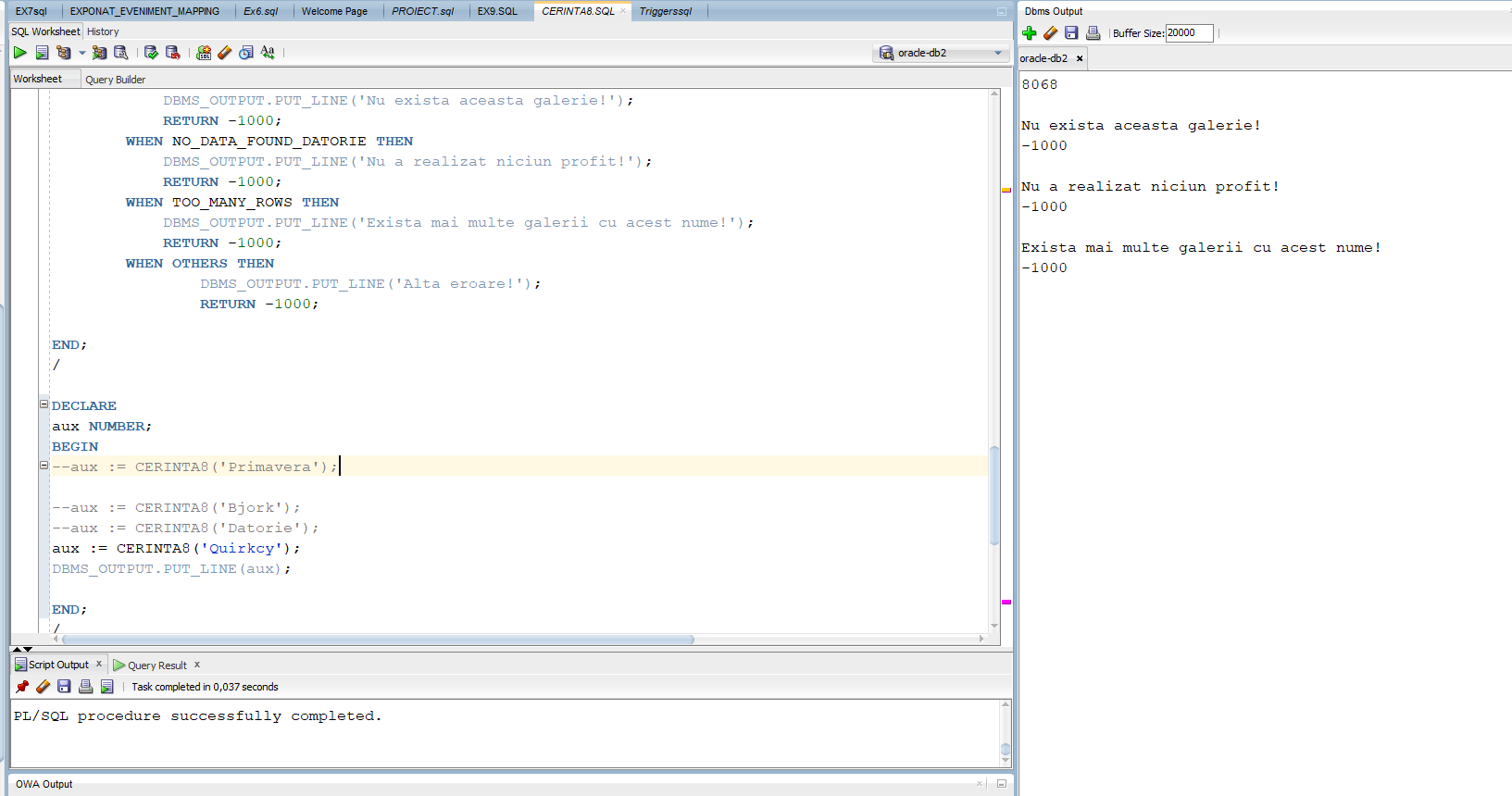
inner join angajat an on an.id\_angajat = s.id\_staff

GROUP BY nume\_galerie

SELECT nume\_galerie, sum(donatie) FROM GALERIE g

INNER JOIN GALERIE\_SPONSOR\_MAPPING gsm ON g.id\_galerie = gsm.id\_galerie

group by nume\_galerie



**Cerinta 9**

**--**Sa se afiseze exponatele care se gasesc intr-un oras. Erorile care pot aparea sunt: nu exista orase cu acest nume, nu sunt exponate in oras si sunt mai multe orase cu acelasi nume

CREATE OR REPLACE PROCEDURE CERINT9(numeor oras.nume\_oras%type)

AS

TYPE tab\_indx\_exp IS TABLE OF EXPONAT%ROWTYPE INDEX BY PLS\_INTEGER;

exponate tab\_indx\_exp;

TYPE tab\_indx\_orase IS TABLE OF ORAS%ROWTYPE INDEX BY PLS\_INTEGER;

orase tab\_indx\_orase;

NO\_DATA\_FOUND\_ORAS EXCEPTION;

NO\_DATA\_FOUND\_EXPONATE EXCEPTION;

TOO\_MANY\_ROWS EXCEPTION;

BEGIN

SELECT \*

BULK COLLECT INTO orase

FROM oras

WHERE UPPER(nume\_oras) LIKE UPPER(numeor);

IF SQL%NOTFOUND THEN

RAISE NO\_DATA\_FOUND\_ORAS;

END IF;

IF orase.count >=2 THEN

RAISE TOO\_MANY\_ROWS;

END IF;

SELECT DISTINCT ex.id\_exponat,ex.NUME\_EXPONAT, ex.data\_publicare, ex.descriere

BULK COLLECT INTO exponate

FROM ORAS o

INNER JOIN GALERIE g on g.id\_oras = o.id\_oras

inner join EVENIMENT ev on g.id\_galerie = ev.id\_galerie

inner join EXPONAT\_EVENIMENT\_MAPPING eem on ev.id\_eveniment = eem.id\_eveniment

inner join exponat ex on ex.id\_exponat = eem.id\_exponat

inner join EXPONAT\_AUTOR\_MAPPING eam on eam.id\_exponat=ex.id\_exponat

INNER join autor a on eam.id\_autor = a.id\_autor

WHERE a.data\_deces IS NULL AND nume\_oras like numeor;

--DBMS\_OUTPUT.PUT\_LINE(exponate.count);

IF exponate.count = 0 THEN

RAISE NO\_DATA\_FOUND\_EXPONATE;

END IF;

DBMS\_OUTPUT.PUT\_LINE('In orasul '||numeor || ' sunt exponatele:');

FOR i in exponate.first..exponate.last LOOP

DBMS\_OUTPUT.PUT\_LINE(exponate(i).nume\_exponat);

END LOOP;

EXCEPTION

WHEN NO\_DATA\_FOUND\_ORAS THEN

DBMS\_OUTPUT.PUT\_LINE('Nu exista acest oras!');

WHEN NO\_DATA\_FOUND\_EXPONATE THEN

DBMS\_OUTPUT.PUT\_LINE('Nu sunt astfel de exponate in oras!');

WHEN TOO\_MANY\_ROWS THEN

DBMS\_OUTPUT.PUT\_LINE('Exista mai multe orase cu acest nume!');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Alta eroare!');

END;

/

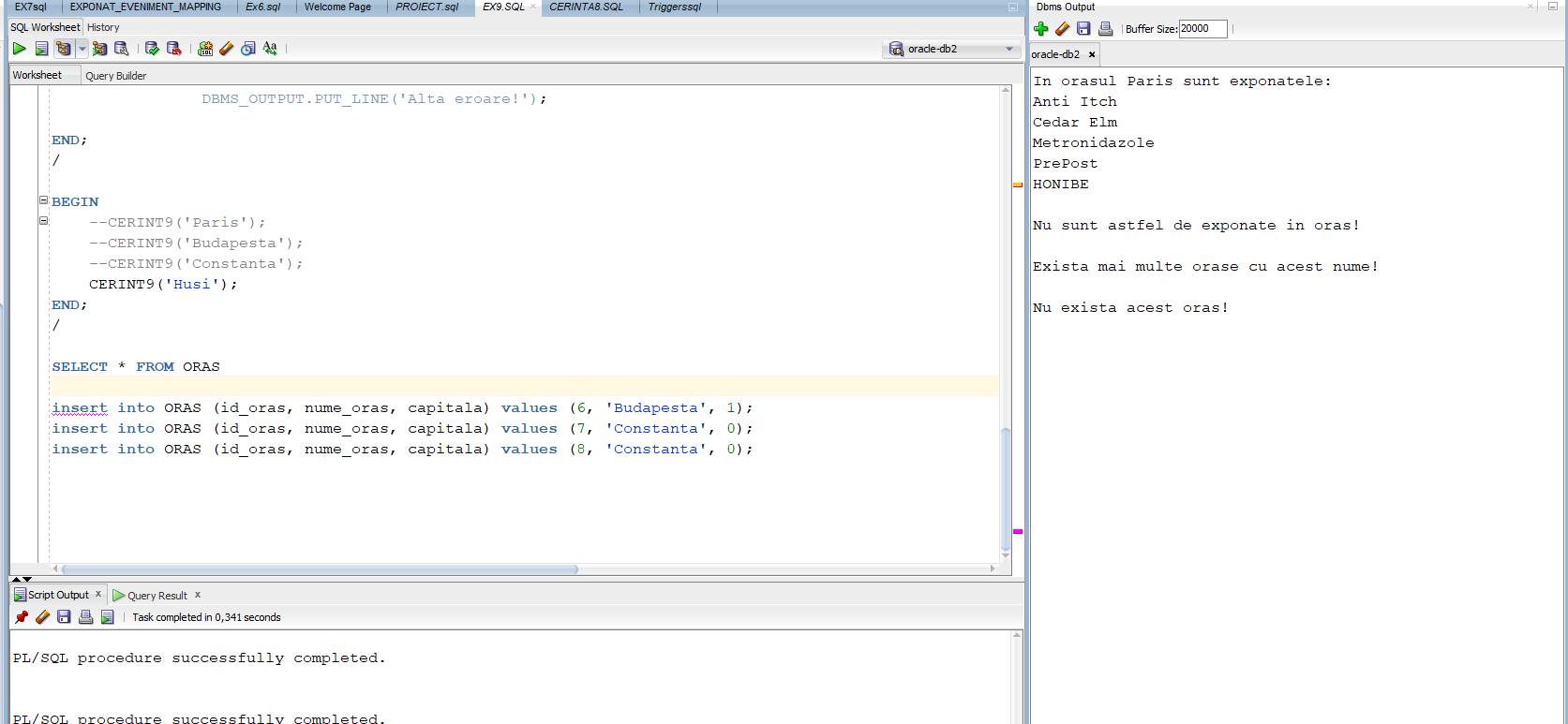
BEGIN

--CERINT9('Paris');

--CERINT9('Budapesta');

--CERINT9('Constanta');

CERINT9('Husi');

****END;

**Cerinta 10**

--Am facut un trigger care nu permite inserarea in tabela oras in zilele de vara sau zilele de 13

CREATE OR REPLACE TRIGGER CERINTA10

BEFORE INSERT OR UPDATE OR DELETE ON ORAS

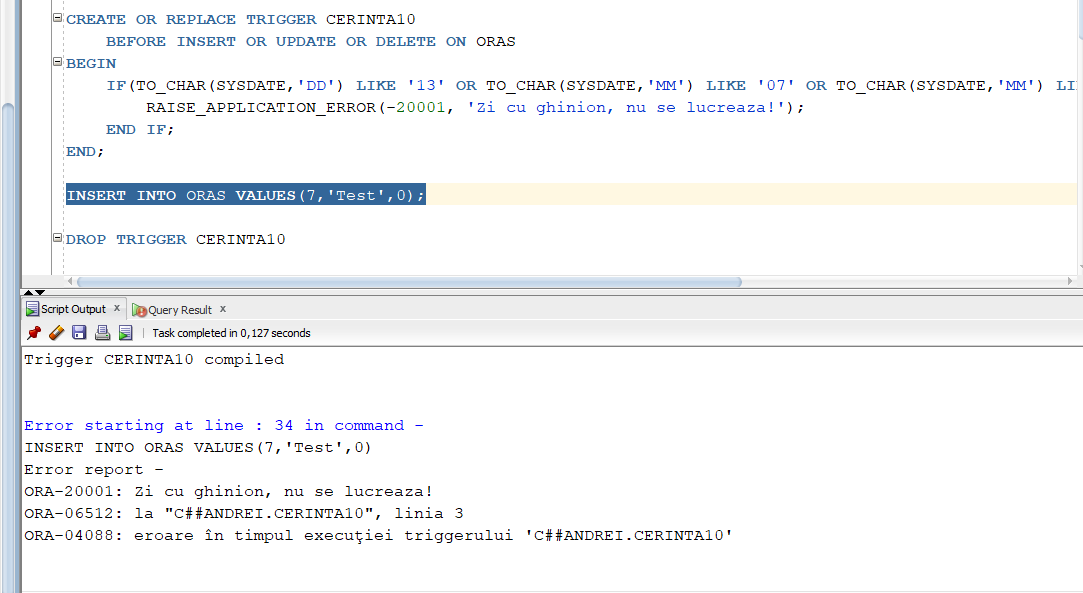
BEGIN

IF(TO\_CHAR(SYSDATE,'DD') LIKE '13' OR TO\_CHAR(SYSDATE,'MM') LIKE '07' OR TO\_CHAR(SYSDATE,'MM') LIKE '08' OR TO\_CHAR(SYSDATE,'MM') LIKE '06') THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Zi cu ghinion, nu se lucreaza!');

END IF;

END;

****

**Cerinta 11**

--Am creat un trigger care nu permite scaderea salariului

CREATE OR REPLACE TRIGGER CERINTA11

AFTER UPDATE OF SALARIU ON ANGAJAT

FOR EACH ROW

BEGIN

IF(:NEW.salariu < :OLD.salariu) THEN

RAISE\_APPLICATION\_ERROR (-20001, 'Salariul nu poate fi mai mic decat cel vechi!');

END IF;

END;

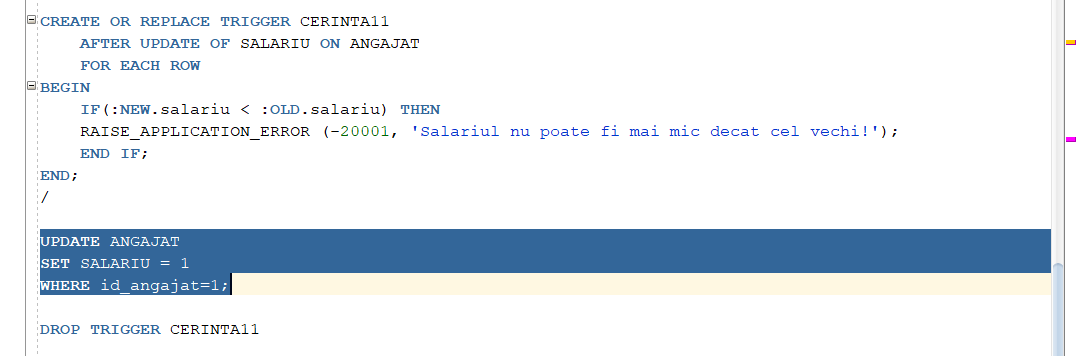
/

UPDATE ANGAJAT

SET SALARIU = 1

WHERE id\_angajat=1;

DROP TRIGGER CERINTA11



**Cerinta 12**

CREATE TABLE utiliz(

nume\_utilizator VARCHAR2(255),

nume\_bd VARCHAR(255),

eveniment VARCHAR2(255),

nume\_target VARCHAR(255),

data DATE

);

CREATE OR REPLACE TRIGGER CERINTA12

AFTER CREATE OR DROP OR ALTER ON SCHEMA

BEGIN

INSERT INTO utiliz

values(SYS.LOGIN\_USER, SYS.DATABASE\_NAME,SYS.SYSEVENT,SYS.DICTIONARY\_OBJ\_NAME, SYSDATE);

END;

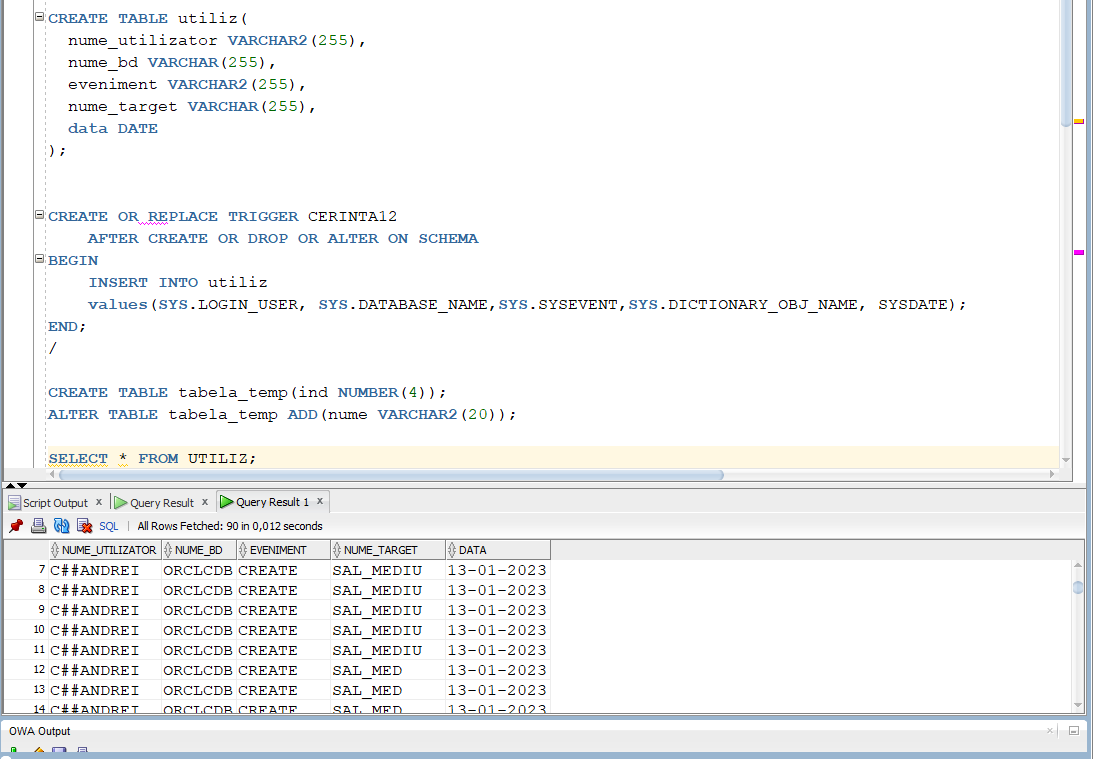
/

CREATE TABLE tabela\_temp(ind NUMBER(4));

ALTER TABLE tabela\_temp ADD(nume VARCHAR2(20));

SELECT \* FROM UTILIZ;

DROP TRIGGER CERINTA12;



**Cerinta 13**

**CREATE OR REPLACE PACKAGE proiect\_complet AS**

**PROCEDURE CERINTA6 (numegale GALERIE.nume\_galerie%type);**

**PROCEDURE CERINTA7(numeor ORAS.nume\_oras%type);**

**FUNCTION CERINTA8(numegal galerie.nume\_galerie%type) RETURN NUMBER;**

**PROCEDURE CERINT9(numeor oras.nume\_oras%type);**

**END proiect\_complet;**

**/**

**CREATE OR REPLACE PACKAGE BODY proiect\_complet**

**AS**

**PROCEDURE CERINTA6 (numegale GALERIE.nume\_galerie%type)**

**AS**

**TYPE tab\_indx IS TABLE OF EVENIMENT%ROWTYPE INDEX BY PLS\_INTEGER;**

**evenimente tab\_indx;**

**TYPE lista\_nested IS TABLE OF STAFF%rowtype;**

**aux\_staff lista\_nested := lista\_nested();**

**nr NUMBER;**

**nr\_staffs NUMBER;**

**BEGIN**

**SELECT e.id\_eveniment,e.id\_galerie, e.nume\_eveniment, e.data\_inceput, e.data\_final**

**BULK COLLECT INTO evenimente**

**FROM EVENIMENT e, GALERIE g**

**WHERE e.id\_galerie = g.id\_galerie AND UPPER(g.nume\_galerie) LIKE UPPER(numegale) ;**

**SELECT COUNT(\*)**

**INTO nr**

**FROM EVENIMENT e, GALERIE g**

**WHERE e.id\_galerie = g.id\_galerie AND UPPER(g.nume\_galerie) LIKE UPPER(numegale)**

**GROUP BY g.id\_galerie;**

**DBMS\_OUTPUT.PUT\_LINE('Nr evenimente la galeria '|| numegale || ' ' || nr);**

**FOR i in evenimente.first..evenimente.last LOOP**

**SELECT s.id\_staff, s.nume\_echipa, s.rol\_staff**

**BULK COLLECT INTO aux\_staff**

**FROM EVENIMENT\_STAFF\_MAPPING esm, EVENIMENT e, STAFF s**

**WHERE s.id\_staff = esm.id\_staff AND esm.id\_eveniment = e.id\_eveniment AND e.id\_eveniment = evenimente(i).id\_eveniment;**

**--DBMS\_OUTPUT.PUT\_LINE(aux\_staff.count);**

**nr\_staffs := aux\_staff.count;**

**IF nr\_staffs = 0 THEN**

**DBMS\_OUTPUT.PUT\_LINE('Evenimentul nu are staffs!');**

**END IF;**

**IF nr\_staffs >0 THEN**

**DBMS\_OUTPUT.PUT\_LINE('Evenimentul ' || evenimente(i).nume\_eveniment || ' a angajat ' || nr\_staffs || ' echipe');**

**FOR j in aux\_staff .first..aux\_staff.last LOOP**

**DBMS\_OUTPUT.PUT\_LINE(aux\_staff(j).nume\_echipa);**

**END LOOP;**

**END IF;**

**END LOOP;**

**END CERINTA6;**

**PROCEDURE CERINTA7(numeor ORAS.nume\_oras%type)**

**AS**

**CURSOR GALERII IS**

**SELECT \***

**FROM galerie**

**WHERE id\_oras = (**

**SELECT id\_oras**

**FROM ORAS**

**WHERE upper(nume\_oras) LIKE upper(numeor)**

**);**

**CURSOR events(galerieid GALERIE.id\_galerie%type) IS**

**SELECT nume\_eveniment, id\_eveniment**

**FROM EVENIMENT**

**WHERE id\_galerie = galerieid ;**

**CURSOR arts(idev EVENIMENT.id\_eveniment%type) IS**

**SELECT nume\_exponat || ' About: '|| descriere**

**FROM EXPONAT\_EVENIMENT\_MAPPING eem**

**INNER JOIN EXPONAT E**

**ON E.id\_exponat = eem.id\_exponat**

**WHERE eem.id\_eveniment = idev;**

**den eveniment.nume\_eveniment%TYPE;**

**evid eveniment.nume\_eveniment%TYPE;**

**text VARCHAR2(250);**

**BEGIN**

**for i in galerii**

**LOOP**

**DBMS\_OUTPUT.PUT\_LINE('Galeria ' || i.nume\_galerie);**

**for j in events(i.id\_galerie) LOOP**

**DBMS\_OUTPUT.PUT\_LINE('Eveniment ' || j.nume\_eveniment);**

**OPEN arts(j.id\_eveniment);**

**LOOP**

**FETCH arts INTO text;**

**EXIT WHEN arts%NOTFOUND;**

**DBMS\_OUTPUT.PUT\_LINE(' ' || text);**

**END LOOP;**

**CLOSE arts;**

**END LOOP;**

**DBMS\_OUTPUT.PUT\_LINE('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_');**

**END LOOP;**

**END CERINTA7;**

**FUNCTION CERINTA8(numegal galerie.nume\_galerie%type) RETURN NUMBER**

**IS**

**donatii NUMBER;**

**datorii NUMBER;**

**profit NUMBER;**

**TYPE tabl\_indx IS TABLE OF GALERIE%ROWTYPE INDEX BY PLS\_INTEGER;**

**aux tabl\_indx;**

**TYPE tabl\_indx\_sps IS TABLE OF GALERIE\_SPONSOR\_MAPPING%ROWTYPE INDEX BY PLS\_INTEGER;**

**aux\_sps tabl\_indx\_sps;**

**TYPE tabl\_indx\_ang IS TABLE OF ANGAJAT%ROWTYPE INDEX BY PLS\_INTEGER;**

**aux\_ang tabl\_indx\_ang;**

**NO\_DATA\_FOUND\_GAL EXCEPTION;**

**NO\_DATA\_FOUND\_DATORIE EXCEPTION;**

**TOO\_MANY\_ROWS EXCEPTION;**

**BEGIN**

**donatii:=0;**

**datorii:=0;**

**SELECT \***

**BULK COLLECT INTO aux**

**from GALERIE**

**WHERE numegal = galerie.nume\_galerie;**

**IF SQL%NOTFOUND THEN**

**RAISE NO\_DATA\_FOUND\_GAL;**

**END IF;**

**IF aux.count>1 THEN**

**RAISE TOO\_MANY\_ROWS;**

**END IF;**

**--DONATIILE**

**SELECT gsm.id\_galerie, gsm.id\_sponsor, gsm.donatie**

**BULK COLLECT INTO aux\_sps**

**FROM GALERIE g**

**INNER JOIN GALERIE\_SPONSOR\_MAPPING gsm ON g.id\_galerie = gsm.id\_galerie**

**WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal);**

**IF SQL%NOTFOUND THEN**

**RAISE NO\_DATA\_FOUND\_DATORIE;**

**END IF;**

**SELECT sum(donatie)**

**INTO DONATII**

**FROM GALERIE g**

**INNER JOIN GALERIE\_SPONSOR\_MAPPING gsm ON g.id\_galerie = gsm.id\_galerie**

**WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal)**

**group by nume\_galerie;**

**--Salariile**

**SELECT an.id\_angajat,an.nume\_angajat, an.prenume\_angajat, an.data\_nastere, an.salariu, an.cnp, an.id\_staff**

**BULK COLLECT INTO aux\_ang**

**FROM GALERIE g**

**INNER JOIN EVENIMENT ev ON g.id\_galerie = ev.id\_galerie**

**INNER JOIN EVENIMENT\_STAFF\_MAPPING ESM ON esm.id\_eveniment = ev.id\_eveniment**

**INNER join STAFF s on s.id\_staff = esm.id\_staff**

**INNER join angajat an on an.id\_STAFF = s.id\_staff**

**WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal);**

**IF SQL%NOTFOUND THEN**

**datorii:=0;**

**ELSE**

**SELECT sum(salariu)**

**INTO DATORII**

**FROM GALERIE g**

**INNER JOIN EVENIMENT ev ON g.id\_galerie = ev.id\_galerie**

**INNER JOIN EVENIMENT\_STAFF\_MAPPING ESM ON esm.id\_eveniment = ev.id\_eveniment**

**inner join STAFF s on s.id\_staff = esm.id\_staff**

**inner join angajat an on an.id\_angajat = s.id\_staff**

**WHERE UPPER(g.nume\_galerie) LIKE UPPER(numegal)**

**GROUP BY nume\_galerie;**

**END IF;**

**profit:= donatii-datorii;**

**IF PROFIT < 0 THEN**

**RAISE NO\_DATA\_FOUND\_DATORIE;**

**END IF;**

**DBMS\_OUTPUT.PUT\_LINE(profit);**

**return profit;**

**EXCEPTION**

**WHEN NO\_DATA\_FOUND\_GAL THEN**

**DBMS\_OUTPUT.PUT\_LINE('Nu exista aceasta galerie!');**

**RETURN -1000;**

**WHEN NO\_DATA\_FOUND\_DATORIE THEN**

**DBMS\_OUTPUT.PUT\_LINE('Nu a realizat niciun profit!');**

**RETURN -1000;**

**WHEN TOO\_MANY\_ROWS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Exista mai multe galerii cu acest nume!');**

**RETURN -1000;**

**WHEN OTHERS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Alta eroare!');**

**RETURN -1000;**

**END CERINTA8;**

**PROCEDURE CERINT9(numeor oras.nume\_oras%type)**

**AS**

**TYPE tab\_indx\_exp IS TABLE OF EXPONAT%ROWTYPE INDEX BY PLS\_INTEGER;**

**exponate tab\_indx\_exp;**

**TYPE tab\_indx\_orase IS TABLE OF ORAS%ROWTYPE INDEX BY PLS\_INTEGER;**

**orase tab\_indx\_orase;**

**NO\_DATA\_FOUND\_ORAS EXCEPTION;**

**NO\_DATA\_FOUND\_EXPONATE EXCEPTION;**

**TOO\_MANY\_ROWS EXCEPTION;**

**BEGIN**

**SELECT \***

**BULK COLLECT INTO orase**

**FROM oras**

**WHERE UPPER(nume\_oras) LIKE UPPER(numeor);**

**IF SQL%NOTFOUND THEN**

**RAISE NO\_DATA\_FOUND\_ORAS;**

**END IF;**

**IF orase.count >=2 THEN**

**RAISE TOO\_MANY\_ROWS;**

**END IF;**

**SELECT DISTINCT ex.id\_exponat,ex.NUME\_EXPONAT, ex.data\_publicare, ex.descriere**

**BULK COLLECT INTO exponate**

**FROM ORAS o**

**INNER JOIN GALERIE g on g.id\_oras = o.id\_oras**

**inner join EVENIMENT ev on g.id\_galerie = ev.id\_galerie**

**inner join EXPONAT\_EVENIMENT\_MAPPING eem on ev.id\_eveniment = eem.id\_eveniment**

**inner join exponat ex on ex.id\_exponat = eem.id\_exponat**

**inner join EXPONAT\_AUTOR\_MAPPING eam on eam.id\_exponat=ex.id\_exponat**

**INNER join autor a on eam.id\_autor = a.id\_autor**

**WHERE a.data\_deces IS NULL AND nume\_oras like numeor;**

**--DBMS\_OUTPUT.PUT\_LINE(exponate.count);**

**IF exponate.count = 0 THEN**

**RAISE NO\_DATA\_FOUND\_EXPONATE;**

**END IF;**

**DBMS\_OUTPUT.PUT\_LINE('In orasul '||numeor || ' sunt exponatele:');**

**FOR i in exponate.first..exponate.last LOOP**

**DBMS\_OUTPUT.PUT\_LINE(exponate(i).nume\_exponat);**

**END LOOP;**

**EXCEPTION**

**WHEN NO\_DATA\_FOUND\_ORAS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Nu exista acest oras!');**

**WHEN NO\_DATA\_FOUND\_EXPONATE THEN**

**DBMS\_OUTPUT.PUT\_LINE('Nu sunt astfel de exponate in oras!');**

**WHEN TOO\_MANY\_ROWS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Exista mai multe orase cu acest nume!');**

**WHEN OTHERS THEN**

**DBMS\_OUTPUT.PUT\_LINE('Alta eroare!');**

**END CERINT9;**

**END proiect\_complet;**

**/**

**--testam pachetul**

**EXECUTE proiect\_complet.CERINTA6('Primavera');**

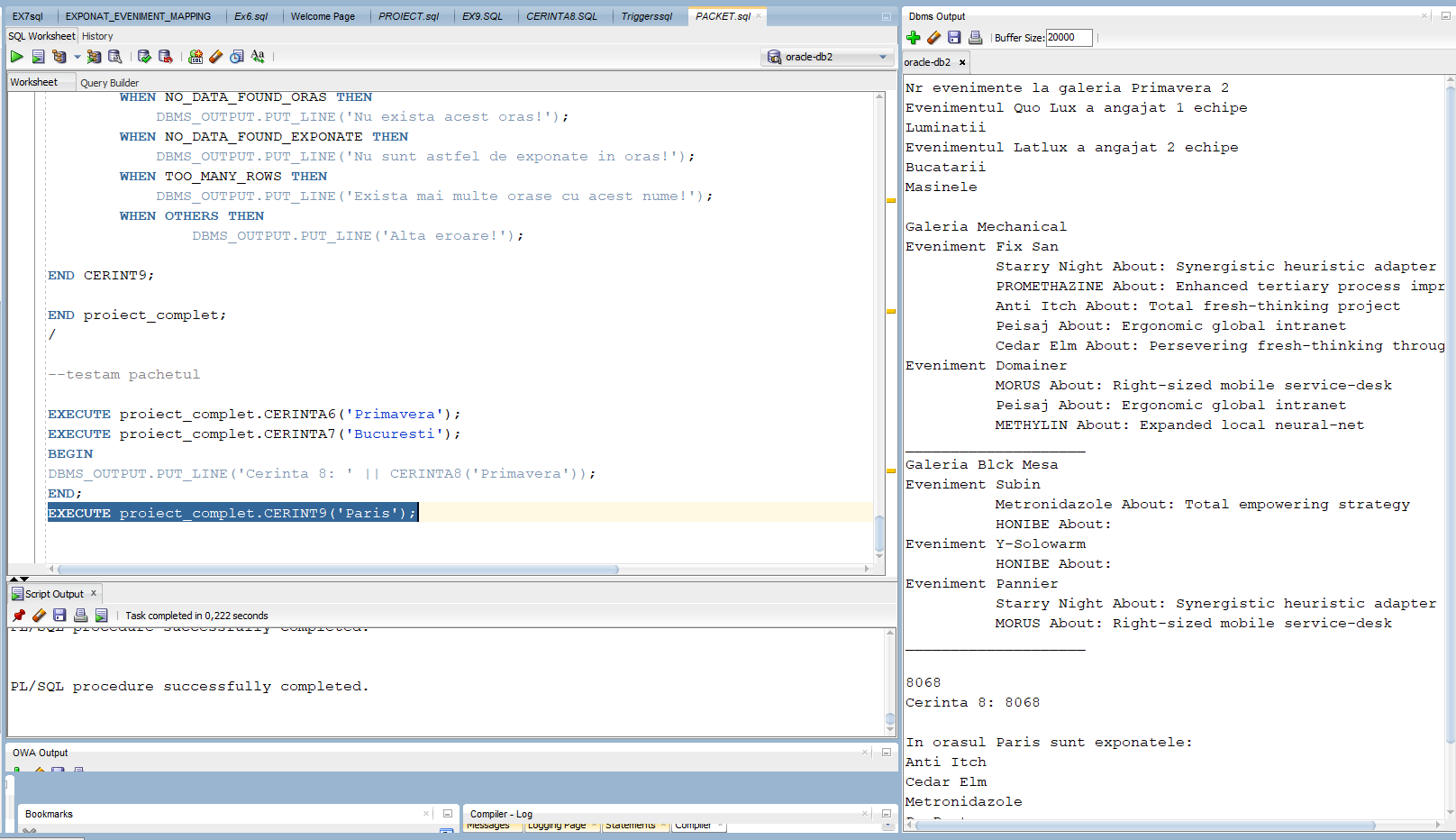
**EXECUTE proiect\_complet.CERINTA7('Bucuresti');**

**BEGIN**

**DBMS\_OUTPUT.PUT\_LINE('Cerinta 8: ' || CERINTA8('Primavera'));**

**END;**

**EXECUTE proiect\_complet.CERINT9('Paris');**

****