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Magazin online de benzi desenate

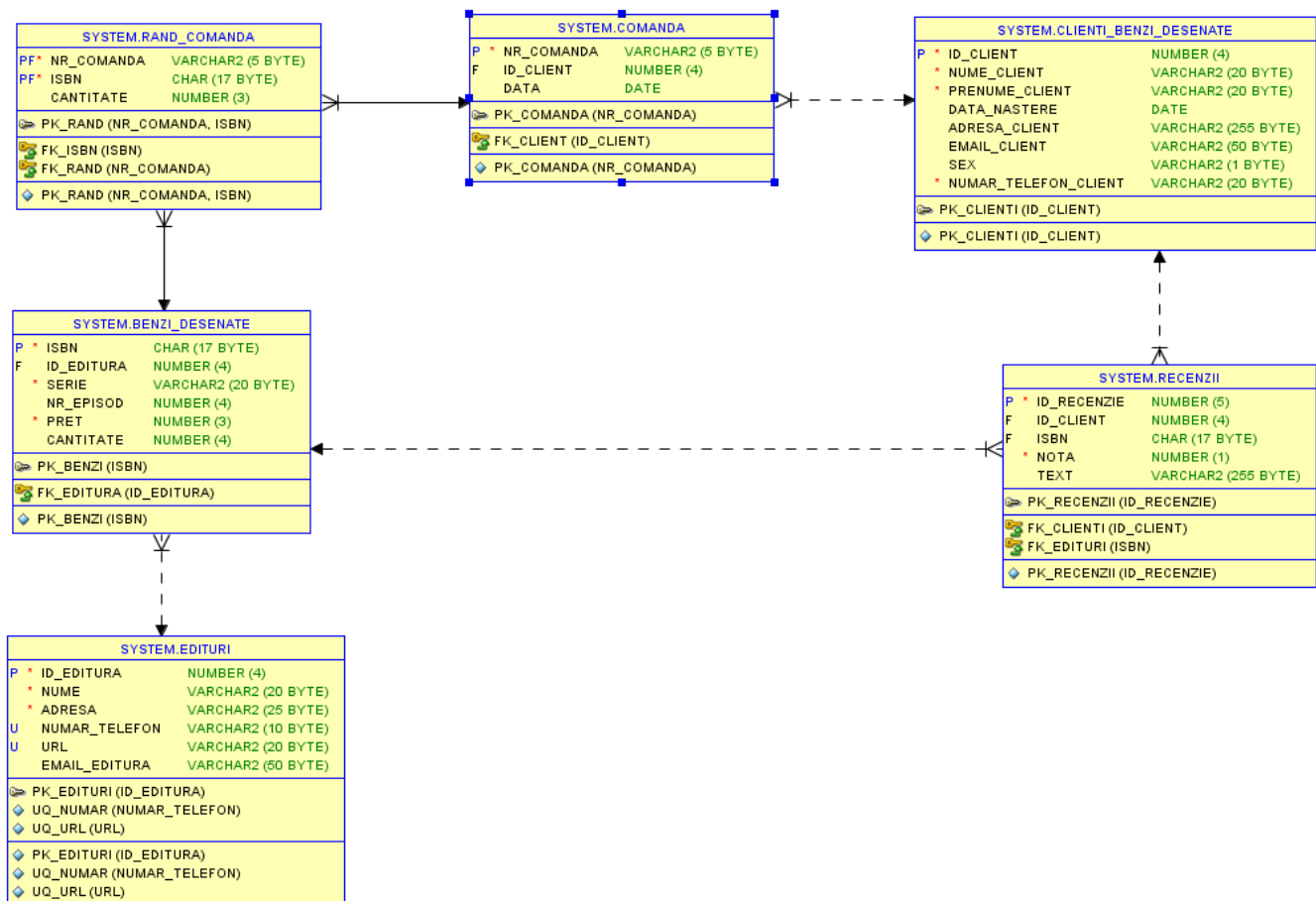
Proiectul tratează gestiunea activității unui magazin online de benzi desenate.

Baza de date a fost creată pornind de la o diagrama entitate-asociere cu 6 tabele: Clienți, Edituri, Benzi Desenate, Comenzi, Rând Comenzi și Recenzii. Un client este caracterizat de: nume, prenume, data nașterii, sex, adresa de e-mail, număr de telefon și adresă fizică. O înregistrare în tabela Edituri cuprinde: numele editurii, adresa fizică, adresa de e-mail, URL-ul și numărul de telefon. Benzile desenate sunt caracterizate de ISBN, serie, număr episod, preț, cantitate disponibilă în stoc și editură.

Astfel, un client poate cumpăra prin intermediul aplicației online benzi desenate provenind de la diferite edituri, făcând parte din serii și episoade diferite într-una sau mai multe comenzi.

Clienții pot posta recenzii în aplicația online indiferent dacă au achiziționat produsul evaluat sau nu. Recenziile constau într-o notă de la 1 la 5 (stele) și un text. Pot fi postate și recenzii fără text.

Diagrama entitate-asociere finală:



--TEMA1:

-->Creați tabelele aferente BD de la proiect

-->Adăugați date în tabelele create.

--creare tabele

```
CREATE TABLE edituri (  
    id_editura NUMBER(4),  
    nume VARCHAR2(20) CONSTRAINT nn_nume NOT NULL,  
    adresa VARCHAR2(25) CONSTRAINT nn_prenume NOT NULL,  
    numar_telefon VARCHAR2(10) CONSTRAINT uq_numar UNIQUE,  
    url VARCHAR2(20) CONSTRAINT uq_url UNIQUE,  
    CONSTRAINT pk_edituri PRIMARY KEY (id_editura)  
);  
  
CREATE TABLE clienti_benzi_desenate (  
    id_client NUMBER(4),  
    nume_client VARCHAR2(20) CONSTRAINT nn_nume_client NOT NULL,  
    prenume_client VARCHAR2(20) CONSTRAINT nn_prenume_client NOT NULL,  
    data_nastere DATE,  
    adresa_client VARCHAR(255),  
    email_client VARCHAR2(50),  
    sex VARCHAR2(1),  
    numar_telefon_client VARCHAR2(20) CONSTRAINT nn_numar_client NOT NULL,  
    CONSTRAINT pk_clienti PRIMARY KEY (id_client),  
    CONSTRAINT check_email CHECK(email_client LIKE '%@%.%')  
);  
  
CREATE TABLE comanda (  
    nr_comanda VARCHAR2(5),  
    id_client NUMBER(4),  
    data DATE,  
    CONSTRAINT pk_comanda PRIMARY KEY (nr_comanda),  
    CONSTRAINT fk_client FOREIGN KEY (id_client) REFERENCES clienti_benzi_desenate(id_client)  
);  
  
CREATE TABLE benzi_desenate (  
    isbn CHAR(10),  
    id_editura NUMBER(4),  
    serie VARCHAR2(20) CONSTRAINT nn_serie NOT NULL,  
    nr_episod NUMBER(4),  
    pret NUMBER(3) CONSTRAINT nn_pret NOT NULL,  
    cantitate NUMBER(4),  
    CONSTRAINT pk_benzi PRIMARY KEY (isbn),  
    CONSTRAINT fk_editura FOREIGN KEY (id_editura) REFERENCES edituri(id_editura),  
    CONSTRAINT pret CHECK(pret > 0)  
);  
  
CREATE TABLE rand_comanda (  
    nr_comanda VARCHAR2(5),  
    isbn CHAR(10),
```

```

cantitate NUMBER(3),
CONSTRAINT pk_rand PRIMARY KEY (nr_comanda, isbn),
CONSTRAINT fk_rand FOREIGN KEY (nr_comanda) REFERENCES comanda(nr_comanda),
CONSTRAINT fk_isbn FOREIGN KEY (isbn) REFERENCES benzi_desenate(isbn)
);

CREATE TABLE recenzii (
    id_recenzie number(5),
    id_client number(4),
    isbn char(10),
    nota number(1) CONSTRAINT nn_nota NOT NULL,
    text varchar2(255),
    CONSTRAINT pk_recenzii PRIMARY KEY (id_recenzie),
    CONSTRAINT fk_edituri FOREIGN KEY (isbn) REFERENCES benzi_desenate(isbn),
    CONSTRAINT fk_clienti FOREIGN KEY (id_client) REFERENCES clienti_benzi_desenate(id_client)
);

--clienti
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('100', 'Dobrescu', 'Marius', TO_DATE('26.03.2000', 'DD.MM.YYYY'), 'Marinarilor 7', 'd
obrescu@gmail.com', 'M', '0724456710');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('101', 'Dorian', 'Maria', TO_DATE('16.04.1993', 'DD.MM.YYYY'), 'Mercenarilor 76', 'do
rian@gmail.com', 'F', '0709456710');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('102', 'Matei', 'Bianca', TO_DATE('20.05.2001', 'DD.MM.YYYY'), 'Violetelor 2', 'mateo@
gmail.com', 'F', '0724418710');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('103', 'Popescu', 'Ioana', TO_DATE('16.05.2003', 'DD.MM.YYYY'), 'Zambilelor 5', 'pope
scu@gmail.com', 'F', '0784456710');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('104', 'Filipescu', 'Vlad', TO_DATE('01.01.1997', 'DD.MM.YYYY'), 'Infratirii 4', 'fil
ipescu@gmail.com', 'M', '0724456900');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
VALUES ('105', 'Mardare', 'Andrei', TO_DATE('02.06.1998', 'DD.MM.YYYY'), 'Ionescu Brad 3', 'm
ardare@gmail.com', 'M', '0721226710');

INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADR
ESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)

```

```
VALUES ('106', 'Vladescu', 'Mihai', TO_DATE('05.07.2006', 'DD.MM.YYYY'), 'Carmangeriei 2', 'vladescu@gmail.com', 'M', '0724412310');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('107', 'Coriolian', 'Ion', TO_DATE('20.08.2004', 'DD.MM.YYYY'), 'Bisericii 666', 'coriolian@gmail.com', 'M', '0724246710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('108', 'Caldare', 'Iulian', TO_DATE('06.10.2005', 'DD.MM.YYYY'), 'Uneltelor 2', 'caldare@gmail.com', 'M', '0739456710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('109', 'Cristian', 'Mircea', TO_DATE('21.12.2005', 'DD.MM.YYYY'), 'Trandafirilor 3', 'cristian@gmail.com', 'M', '0724457891');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('110', 'Onetiu', 'Valentin', TO_DATE('30.11.1983', 'DD.MM.YYYY'), 'Revolutiei 89', 'onetiu@gmail.com', 'M', '0739956710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('111', 'Casin', 'Diana', TO_DATE('11.08.1956', 'DD.MM.YYYY'), 'Craciunului 25', 'casin@gmail.com', 'F', '0724402710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('112', 'Mircea', 'Andreea', TO_DATE('12.06.1981', 'DD.MM.YYYY'), 'Pastelui 3', 'mircea@gmail.com', 'F', '0724450110');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('113', 'Zlatan', 'Ibrahimovic', TO_DATE('02.05.1989', 'DD.MM.YYYY'), 'Soldatilor 4', 'zlatan@gmail.com', 'M', '070016710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('114', 'Lorin', 'Catalin', TO_DATE('18.04.1994', 'DD.MM.YYYY'), 'Primariei 5', 'lorin@gmail.com', 'M', '0720036710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('115', 'Dobrescu', 'Veronica', TO_DATE('07.09.1976', 'DD.MM.YYYY'), 'Principala 10', 'dobrescuv@gmail.com', 'F', '0724401710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)
```

```
VALUES ('116', 'Georgescu', 'Mariana', TO_DATE('09.10.1987', 'DD.MM.YYYY'), 'Dorobanti 1', 'georgescu@gmail.com', 'F', '0726675710');
```

```
INSERT INTO clienti_benzi_desenate (ID_CLIENT, NUME_CLIENT, PRENUME_CLIENT, DATA_NASTERE, ADRESA_CLIENT, EMAIL_CLIENT, SEX, NUMAR_TELEFON_CLIENT)  
VALUES ('117', 'Mancu', 'Matei', TO_DATE('13.07.1990', 'DD.MM.YYYY'), 'Protopopescu 19', 'mancu@gmail.com', 'M', '0724491710');
```

```
--edituri
```

```
ALTER TABLE edituri
```

```
ADD email_editura VARCHAR2(50);
```

```
INSERT INTO edituri (ID_EDITURA, NUME, ADRESA, EMAIL_EDITURA, NUMAR_TELEFON, URL)  
VALUES ('1000', 'ARTHUR', 'Tipografiei 1', 'arthur@gmail.com', '0212456731', 'www.arthur.ro');
```

```
INSERT INTO edituri (ID_EDITURA, NUME, ADRESA, EMAIL_EDITURA, NUMAR_TELEFON, URL)  
VALUES ('1001', 'KOOB', 'Tipografiei 2', 'koob@gmail.com', '0212493231', 'www.koob.ro');
```

```
INSERT INTO edituri (ID_EDITURA, NUME, ADRESA, EMAIL_EDITURA, NUMAR_TELEFON, URL)  
VALUES ('1002', 'CRISAN', 'Tipografiei 3', 'crisan@gmail.com', '0212409121', 'www.crisan.ro');
```

```
INSERT INTO edituri (ID_EDITURA, NUME, ADRESA, EMAIL_EDITURA, NUMAR_TELEFON, URL)  
VALUES ('1003', 'DC_COMICS', 'Tipografiei 4', 'dccomics@gmail.com', '0210923731', 'www.dccomics.com');
```

```
INSERT INTO edituri (ID_EDITURA, NUME, ADRESA, EMAIL_EDITURA, NUMAR_TELEFON, URL)  
VALUES ('1004', 'MARVEL', 'Tipografiei 5', 'marvel@gmail.com', '0212412331', 'www.marvel.com')  
;
```

```
--benzi desenate
```

```
ALTER TABLE benzi_desenate
```

```
MODIFY isbn char(17);
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148410-0', '1003', 'SPIDER-MAN', '1', '15', '10');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148411-9', '1003', 'SPIDER-MAN', '2', '15', '9');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148411-8', '1003', 'SPIDER-MAN', '3', '15', '8');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148411-7', '1003', 'SPIDER-MAN', '4', '15', '6');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148411-6', '1003', 'SPIDER-MAN', '5', '15', '3');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)  
VALUES ('978-3-16-148411-5', '1003', 'SPIDER-MAN', '6', '15', '16');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148411-4', '1003', 'SPIDER-MAN', '7', '15', '13');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148411-3', '1003', 'SPIDER-MAN', '8', '15', '1');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148411-2', '1003', 'SPIDER-MAN', '9', '15', '29');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148411-1', '1003', 'SPIDER-MAN', '10', '15', '7');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148411-0', '1003', 'SPIDER-MAN', '11', '16', '6');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-9', '1003', 'SPIDER-MAN', '12', '16', '5');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-8', '1003', 'SPIDER-MAN', '13', '16', '11');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-7', '1003', 'SPIDER-MAN', '14', '16', '21');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-6', '1003', 'SPIDER-MAN', '15', '16', '10');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-5', '1003', 'SPIDER-MAN', '16', '16', '40');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-4', '1003', 'SPIDER-MAN', '17', '16', '10');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-3', '1003', 'SPIDER-MAN', '18', '16', '45');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-2', '1003', 'SPIDER-MAN', '19', '16', '30');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-148410-1', '1003', 'SPIDER-MAN', '20', '16', '21');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-018410-1', '1004', 'IRON-MAN', '1', '16', '21');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-028410-1', '1004', 'IRON-MAN', '2', '16', '20');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
```

```
VALUES ('978-3-16-038410-1', '1004', 'IRON-MAN', '3', '16', '10');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-048410-1', '1004', 'IRON-MAN', '4', '16', '15');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-058410-1', '1004', 'IRON-MAN', '5', '16', '16');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-068410-1', '1004', 'IRON-MAN', '6', '16', '9');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-078410-1', '1004', 'IRON-MAN', '7', '16', '19');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-088410-1', '1004', 'IRON-MAN', '8', '16', '20');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-098410-1', '1004', 'IRON-MAN', '9', '16', '15');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-108410-1', '1004', 'IRON-MAN', '10', '16', '12');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-101410-1', '1002', 'PEANUTS', '10', '16', '12');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-102410-1', '1002', 'PEANUTS', '11', '16', '7');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-103410-1', '1002', 'PEANUTS', '5', '16', '10');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-101410-1', '1001', 'HILLBILLIES', '56', '10', '8');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-103490-1', '1001', 'HILLBILLIES', '23', '10', '10');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-112410-1', '1001', 'HILLBILLIES', '67', '10', '1');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('978-3-16-101423-1', '1001', 'HILLBILLIES', '65', '9', '1');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('901-3-16-101410-1', '1000', 'MACHINE-MAN', '1', '18', '11');

INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('902-3-16-101410-1', '1000', 'MACHINE-MAN', '2', '18', '1');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('903-3-16-101410-1', '1000', 'MACHINE-MAN', '3', '18', '32');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('904-3-16-101410-1', '1000', 'MACHINE-MAN', '4', '18', '2');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('905-3-16-101410-1', '1000', 'MACHINE-MAN', '5', '18', '20');
```

```
INSERT INTO benzi_desenate (ISBN, ID_EDITURA, SERIE, NR_EPISOD, PRET, CANTITATE)
VALUES ('906-3-16-101410-1', '1000', 'MACHINE-MAN', '6', '18', '10');
```

--comanda

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('1', '101', TO_DATE('21.02.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('2', '102', TO_DATE('11.03.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('3', '104', TO_DATE('19.03.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('4', '103', TO_DATE('20.03.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('5', '101', TO_DATE('17.04.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('6', '103', TO_DATE('18.05.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('7', '115', TO_DATE('19.05.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('8', '116', TO_DATE('1.06.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('9', '110', TO_DATE('28.06.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('10', '101', TO_DATE('09.07.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('11', '108', TO_DATE('09.07.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('12', '117', TO_DATE('20.09.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
```



```
VALUES ('13', '116', TO_DATE('25.12.2019', 'DD.MM.YYYY'));
```

```
INSERT INTO comanda (NR_COMANDA, ID_CLIENT, DATA)
VALUES ('14', '107', TO_DATE('27.12.2019', 'DD.MM.YYYY'));
```

```
--rand_comanda
ALTER TABLE rand_comanda
MODIFY isbn char(17);
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('1', '978-3-16-108410-1', '7');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('1', '978-3-16-148411-5', '3');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('2', '903-3-16-101410-1', '2');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('3', '978-3-16-101410-1', '12');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('4', '978-3-16-148411-2', '11');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('4', '978-3-16-048410-1', '10');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('4', '978-3-16-148411-5', '1');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('5', '978-3-16-148411-5', '10');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('6', '978-3-16-148411-7', '3');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('7', '978-3-16-102410-1', '1');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('8', '978-3-16-148411-9', '1');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('9', '903-3-16-101410-1', '5');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('10', '906-3-16-101410-1', '3');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('11', '978-3-16-101423-1', '19');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('12', '978-3-16-098410-1', '24');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('13', '978-3-16-078410-1', '14');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('14', '978-3-16-108410-1', '5');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('14', '978-3-16-112410-1', '6');
```

```
INSERT INTO rand_comanda(NR_COMANDA, ISBN, CANTITATE)
VALUES ('14', '978-3-16-148410-0', '1');
```

```
--recenzii
```

```
ALTER TABLE recenzii
MODIFY isbn char(17);
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('1', '107', '978-3-16-148410-0', '5', 'foarte fain');
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('2', '107', '978-3-16-112410-1', '4', 'oarecum fain');
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('3', '107', '978-3-16-108410-1', '3', 'merge');
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('4', '101', '978-3-16-108410-1', '3', '');
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('5', '101', '978-3-16-148411-5', '1', 'nu prea mi-a placut, baieti');
```

```
INSERT INTO recenzii(ID_RECENZIE, ID_CLIENT, ISBN, NOTA, TEXT)
VALUES ('6', '115', '978-3-16-102410-1', '5', 'decent');
```

```
--TEMA2:  
-->min. 5 operații de actualizare pe BD de la proiect  
-->min. 5 interogări pe BD de la proiect (cu joncțiuni și grupări)
```

```
--actualizare
```

```
ALTER TABLE comanda  
RENAME TO comanda_benzi_desenate;
```

```
ALTER TABLE edituri  
RENAME TO edituri_benzi_desenate;
```

```
ALTER TABLE rand_comanda  
RENAME TO rand_comanda_benzi_desenate;
```

```
ALTER TABLE recenzii  
RENAME TO recenzii_benzi_desenate;
```

```
ALTER TABLE benzi_desenate  
MODIFY serie DEFAULT 'Serie necunoscuta';
```

```
ALTER TABLE benzi_desenate  
ADD CONSTRAINT nn_seria check (serie IS NOT NULL);
```

```
ALTER TABLE benzi_desenate  
DROP CONSTRAINT nn_seria;
```

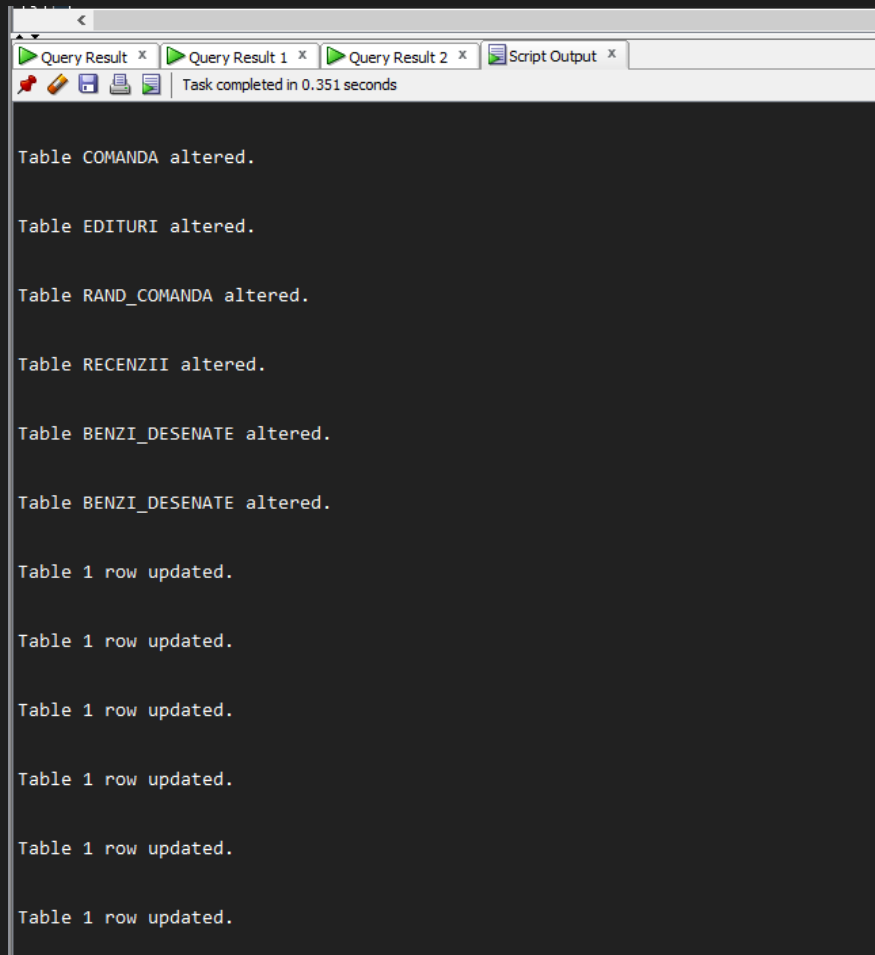
```
UPDATE clienti_benzi_desenate  
SET email_client = 'mgeorgescu@gmail.com'  
WHERE id_client = 116;
```

```
UPDATE clienti_benzi_desenate  
SET adresa_client = 'Razbunarii 5'  
WHERE id_client = 117;
```

```
UPDATE clienti_benzi_desenate  
SET prenume_client = 'George'  
WHERE id_client = 106;
```

```
UPDATE clienti_benzi_desenate  
SET numar_telefon_client = '0721246903'  
WHERE id_client = 108;
```

```
UPDATE clienti_benzi_desenate  
SET numar_telefon_client = '0771246953'  
WHERE nume_client = 'Zlatan';
```



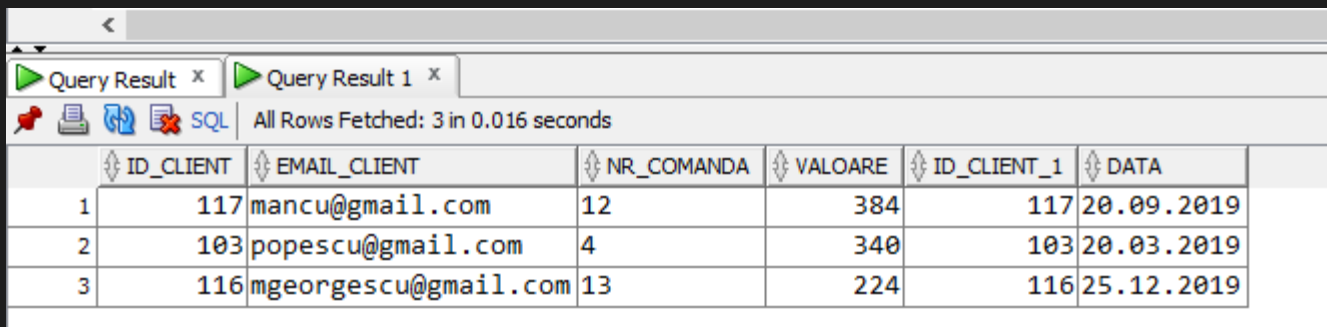
--interogari

--1. Sa se afiseze clientii care au efectuat comenzi

```
SELECT cl.id_client, UPPER(cl.ume_client), cl.prenume_client
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client
GROUP BY cl.id_client, cl.prenume_client, UPPER(cl.ume_client)
ORDER BY cl.id_client;
```

	ID_CLIENT	UPPER(CL.UME_CLIENT)	PRENUME_CLIENT
1	101	DORIAN	Maria
2	102	MATEI	Bianca
3	103	POPESCU	Ioana
4	104	FILIPESCU	Vlad
5	107	CORIOLIAN	Ion
6	108	CALDARE	Iulian
7	110	ONETIU	Valentin
8	115	DOBRESCU	Veronica
9	116	GEORGESCU	Mariana
10	117	MANCU	Matei

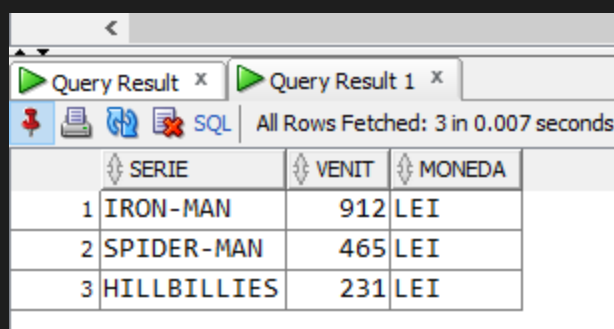
```
--2. Sa se afiseze adresa de mail si id-
ul primilor 3 clienti care au efectuat comenzi in ordinea descrescatoare a valorii lor
SELECT c.id_client, cb.email_client , r.nr_comanda, SUM(b.pret*r.cantitate) as valoare, c.id_
client, TO_CHAR(c.data, 'DD.MM.YYYY') AS data
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi
_desenate cb
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client
GROUP BY r.nr_comanda, c.id_client, cb.ume_client, cb.email_client,
TO_CHAR(c.data, 'DD.MM.YYYY')
ORDER BY SUM(b.pret*r.cantitate) DESC
FETCH FIRST 3 ROWS ONLY;
```



Query Result 1 x All Rows Fetched: 3 in 0.016 seconds

	ID_CLIENT	EMAIL_CLIENT	NR_COMANDA	VALOARE	ID_CLIENT_1	DATA
1	117	mancu@gmail.com	12	384	117	20.09.2019
2	103	popescu@gmail.com	4	340	103	20.03.2019
3	116	mgeorgescu@gmail.com	13	224	116	25.12.2019

```
--3. Sa se afiseze cele mai cumparate 3 serii de benzi desenate si
veniturile rezultate din vanzarea acestora
SELECT b.serie, SUM(r.cantitate * b.pret) as venit, UPPER('LEI') moneda
FROM rand_comanda_benzi_desenate r, benzi_desenate b
WHERE b.isbn = r.isbn
GROUP BY b.serie
ORDER BY SUM(r.cantitate) DESC
FETCH FIRST 3 ROWS ONLY;
```



Query Result 1 x All Rows Fetched: 3 in 0.007 seconds

	SERIE	VENIT	MONEDA
1	IRON-MAN	912	LEI
2	SPIDER-MAN	465	LEI
3	HILLBILLIES	231	LEI

```
--4. Sa se afiseze id-
ul editurii, numele editurii, emailul editurii si sumele datorate daca pretul la care au fost
vandute benzile desenate = pret editura + TVA(5%) + adaos comercial(10%)
SELECT b.id_editura, e.numa, e.email_editura, (SUM(r.cantitate * b.pret) -
0.1 * SUM(r.cantitate * b.pret) - 0.5 * (SUM(r.cantitate * b.pret) -
0.1 * SUM(r.cantitate * b.pret))) suma_datorata_editura
FROM rand_comanda_benzi_desenate r, benzi_desenate b, edituri_benzi_desenate e
WHERE b.isbn = r.isbn AND b.id_editura = e.id_editura
GROUP BY b.id_editura, e.numa, e.email_editura
```

ORDER BY b.id_editura DESC;

Query Result x Query Result 1 x Query Result 2 x

All Rows Fetched: 5 in 0.007 seconds

	ID_EDITURA	NUME	EMAIL_EDITURA	SUMA_DATORATA_EDITURA
1	1004	MARVEL	marvel@gmail.com	410.4
2	1003	DC_COMICS	dccomics@gmail.com	209.25
3	1002	CRISAN	crisan@gmail.com	93.6
4	1001	KOOB	koob@gmail.com	103.95
5	1000	ARTHUR	arthur@gmail.com	81

--5. Sa se afiseze date despre toti clientii care au facut comenzi in luna martie

```

SELECT cl.id_client, UPPER(cl.ume_client), cl.prenume_client, cl.email_client, cl.numar_telefon_client, co.data
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client
GROUP BY cl.id_client, cl.prenume_client, UPPER(cl.ume_client), co.data, cl.email_client, cl.numar_telefon_client
HAVING EXTRACT(MONTH FROM co.data)=3
ORDER BY co.data;

```

Query Result x Query Result 1 x Query Result 2 x

All Rows Fetched: 3 in 0.006 seconds

	ID_CLIENT	UPPER(CL.NUME_CLIENT)	PRENUME_CLIENT	EMAIL_CLIENT	NUMAR_TELEFON_CLIENT	DATA
1	102	MATEI	Bianca	mateo@gmail.com	0724418710	11-MAR-19
2	104	FILIPESCU	Vlad	filipescu@gmail.com	0724456900	19-MAR-19
3	103	POPESCU	Ioana	popescu@gmail.com	0784456710	20-MAR-19

--6. Sa se afiseze clientii care au facut comenzi in luna in care sunt nascuti

```

SELECT cl.id_client, cl.ume_client, cl.prenume_client, cl.data_nastere, co.data data_comanda
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client
GROUP BY cl.id_client, co.data, cl.data_nastere, cl.prenume_client, cl.ume_client
HAVING EXTRACT(MONTH FROM co.data) = EXTRACT(MONTH FROM cl.data_nastere)
ORDER BY id_client;

```

Query Result x Query Result 1 x Query Result 2 x

All Rows Fetched: 2 in 0.088 seconds

	ID_CLIENT	NUME_CLIENT	PRENUME_CLIENT	DATA_NASTERE	DATA_COMANDA
1	101	Dorian	Maria	16-APR-93	17-APR-19
2	103	Popescu	Ioana	16-MAY-03	18-MAY-19

--TEMA3:

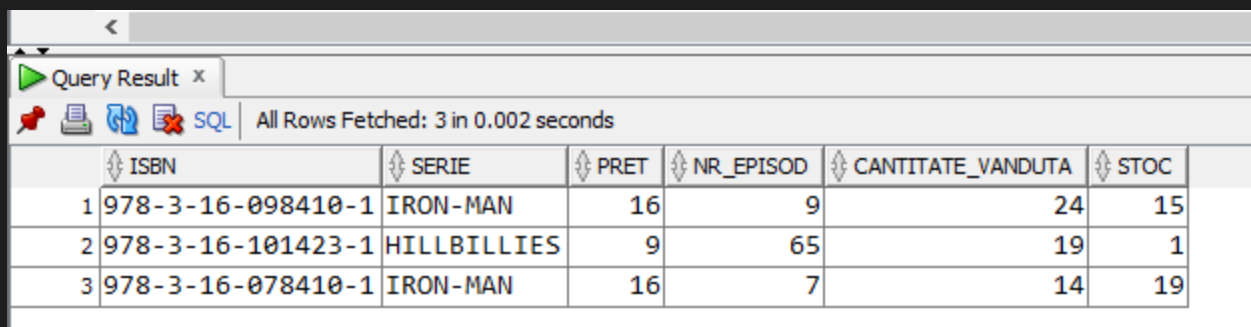
-->min. 3 interogări cu cereri ierarhice (dacă niciuna dintre tabelele voastre nu este construită astfel încât să permită parcurgere ierarhică, atunci construiți min. 3 interogări cu grupări diverse)

-->min. 5 interogări cu subcereri

--interogari cu grupari diverse

--1. Sa se afiseze primele 3 cel mai bine vandute editii si stocul

```
SELECT b.isbn, b.serie, b.pret, b.nr_episod, r.cantitate cantitate_vanduta, b.cantitate stoc
FROM rand_comanda_benzi_desenate r, benzi_desenate b
WHERE b.isbn = r.isbn
GROUP BY b.isbn, b.serie, b.pret, b.nr_episod, r.cantitate, b.cantitate
ORDER BY r.cantitate DESC
FETCH FIRST 3 ROWS ONLY;
```



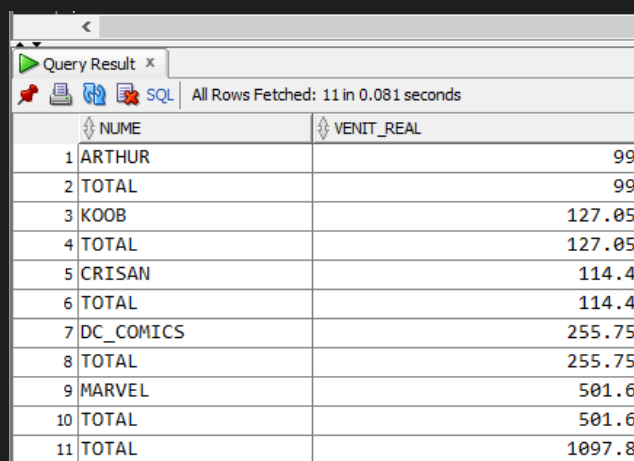
Query Result x

All Rows Fetched: 3 in 0.002 seconds

	ISBN	SERIE	PRET	NR_EPISOD	CANTITATE_VANDUTA	STOC
1	978-3-16-098410-1	IRON-MAN	16	9	24	15
2	978-3-16-101423-1	HILLBILLIES	9	65	19	1
3	978-3-16-078410-1	IRON-MAN	16	7	14	19

--2. Sa se afiseze venitul real rezultat in urma comenzilor deja efectuate

```
SELECT CASE GROUPING(e.ume)
WHEN 1 THEN 'TOTAL' ELSE e.ume END ume,
SUM(r.cantitate * b.pret) - (SUM(r.cantitate * b.pret) - 0.1 * SUM(r.cantitate * b.pret) -
0.5 * (SUM(r.cantitate * b.pret) - 0.1 * SUM(r.cantitate * b.pret))) venit_real
FROM rand_comanda_benzi_desenate r, benzi_desenate b, edituri_benzi_desenate e
WHERE b.isbn = r.isbn AND b.id_editura = e.id_editura
GROUP BY ROLLUP(b.id_editura, e.ume)
ORDER BY b.id_editura ASC;
```



Query Result x

All Rows Fetched: 11 in 0.081 seconds

	NUME	VENIT_REAL
1	ARTHUR	99
2	TOTAL	99
3	KOOB	127.05
4	TOTAL	127.05
5	CRISAN	114.4
6	TOTAL	114.4
7	DC_COMICS	255.75
8	TOTAL	255.75
9	MARVEL	501.6
10	TOTAL	501.6
11	TOTAL	1097.8

--3. Sa se afiseze toate editiile al caror stoc poate fi suplimentat. CONDITII: Sa se fi vandut minim 5 exemplare, iar stocul sa fie sub 10 unitati. Sa se afiseze cantitatile care pot fi comandate judecand dupa cantitatea vanduta si coturile

```
SELECT b.isbn, b.serie, b.pret, b.nr_episod, r.cantitate cantitate_vanduta, b.cantitate stoc,
CASE
WHEN r.cantitate < 5 THEN 1
WHEN r.cantitate > 5 AND r.cantitate < 10 THEN 5
WHEN r.cantitate > 10 AND r.cantitate < 20 THEN 10
ELSE 0 END cantitate_de_comandat
FROM rand_comanda_benzi_desenate r, benzi_desenate b
WHERE b.isbn = r.isbn
GROUP BY b.isbn, b.serie, b.pret, b.nr_episod, r.cantitate, b.cantitate
HAVING b.cantitate < 10 AND r.cantitate > 5
ORDER BY r.cantitate DESC;
```

	ISBN	SERIE	PRET	NR_EPISOD	CANTITATE_VANDUTA	STOC	CANTITATE_DE_COMANDAT
1	978-3-16-101423-1	HILLBILLIES		9	65	19	1
2	978-3-16-112410-1	HILLBILLIES		10	67	6	1

--subcereri

--1. Sa se afiseze toti clientii care nu au efectuat nicio comanda

```
SELECT id_client, nume_client, prenume_client
FROM clienti_benzi_desenate
WHERE id_client NOT IN
(SELECT cl.id_client
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client);
```

	ID_CLIENT	NUME_CLIENT	PRENUME_CLIENT
1	113	Zlatan	Ibrahimovic
2	109	Cristian	Mircea
3	105	Mardare	Andrei
4	112	Mircea	Andreea
5	111	Casin	Diana
6	114	Lorin	Catalin
7	106	Vladescu	George
8	100	Dobrescu	Marius

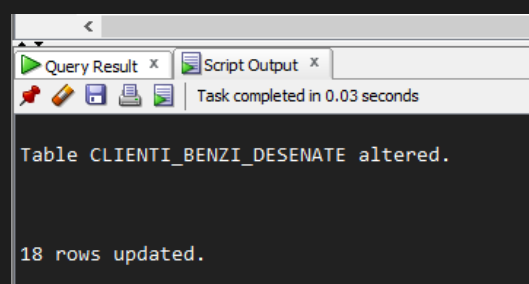
--2. Sa se adauge o coloana in tabela clienti_benzi_desenate (discount) prin care fiecare client va fi premiat cu un discount calculat astfel:
--Daca a cheltuit mai mult de 50 lei, va primi o reducere suplimentara de 5% pentru urmatoarea comanda
--Daca suma cheltuita depaseste 100 lei, va primi o reducere de 10% pentru urmatoarea comanda
--Daca suma cheltuita depaseste 150 lei, va primi o reducere de 20% pentru urmatoarea comanda

```
ALTER TABLE clienti_benzi_desenate  
ADD discount VARCHAR2(3);
```

```
UPDATE clienti_benzi_desenate  
SET discount =  
CASE  
WHEN id_client IN (  
SELECT c.id_client  
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb  
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client  
GROUP BY c.id_client  
HAVING SUM(b.pret*r.cantitate) BETWEEN 50 AND 100)  
THEN 0.05
```

```
WHEN id_client IN (  
SELECT c.id_client  
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb  
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client  
GROUP BY c.id_client  
HAVING SUM(b.pret*r.cantitate) BETWEEN 100 AND 160)  
THEN 0.1
```

```
WHEN id_client IN (  
SELECT c.id_client  
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb  
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client  
GROUP BY c.id_client  
HAVING SUM(b.pret*r.cantitate) BETWEEN 160 AND 1000)  
THEN 0.2  
ELSE 0  
END;
```



CLIENTI_BENZI_DESENATE									
ID_CLIENT	NUME_CLIENT	PRENUME_CLIENT	DATA_NASTERE	ADRESA_CLIENT	EMAIL_CLIENT	SEX	NUMAR_TELEFON_CLIENT	DISCOUNT	
1	100	Dobrescu	Marius	26-MAR-00	Marinarilor 7	dobrescu@gmail.com	M	0724456710	0
2	101	Dorian	Maria	16-APR-93	Mercenarilor 76	dorian@gmail.com	F	0709456710	.2
3	102	Matei	Bianca	20-MAY-01	Violetelor 2	mateo@gmail.com	F	0724418710	0
4	103	Popescu	Ioana	16-MAY-03	Zambilelor 5	popescu@gmail.com	F	0784456710	.2
5	104	Filipescu	Vlad	01-JAN-97	Infratirii 4	filipescu@gmail.com	M	0724456900	.2
6	105	Mardare	Andrei	02-JUN-98	Ionescu Brad 3	mardare@gmail.com	M	0721226710	0
7	106	Vladescu	George	05-JUL-06	Carmangeriei 2	vladescu@gmail.com	M	0724412310	0
8	107	Coriolian	Ion	20-AUG-04	Bisericii 666	coriolian@gmail.com	M	0724246710	.1
9	108	Caldare	Iulian	06-OCT-05	Uneltelor 2	caldare@gmail.com	M	0721246903	.2
10	109	Cristian	Mircea	21-DEC-05	Trandafirilor 3	cristian@gmail.com	M	0724457891	0
11	110	Onetiu	Valentin	30-NOV-83	Revolutiei 89	onetiu@gmail.com	M	0739956710	.05
12	111	Casin	Diana	11-AUG-56	Craciunului 25	casin@gmail.com	F	0724402710	0
13	112	Mircea	Andreea	12-JUN-81	Pastelui 3	mircea@gmail.com	F	0724450110	0
14	113	Zlatan	Ibrahimovic	02-MAY-89	Soldatilor 4	zlatan@gmail.com	M	0771246953	0
15	114	Lorin	Catalin	18-APR-94	Primariei 5	lorin@gmail.com	M	0720036710	0
16	115	Dobrescu	Veronica	07-SEP-76	Principalai 10	dobrescu@gmail.com	F	0724401710	0
17	116	Georgescu	Mariana	09-OCT-87	Dorobanti 1	mgeorgescu@gmail...	F	0726675710	.2
18	117	Mancu	Matei	13-JUL-90	Razbunarii 5	mancu@gmail.com	M	0724491710	.2

--3. Sa se afiseze editiile (cantitate + detalii) care pot fi returnate editurii. CONDITII: sa nu se fi vandut niciun exemplar, stocul sa fie mai mare de 10 unitati

```

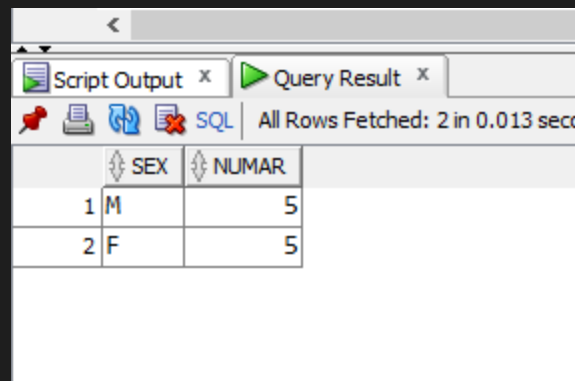
SELECT *
FROM benzi_desenate
WHERE isbn NOT IN
(SELECT b.isbn
FROM rand_comanda_benzi_desenate r, benzi_desenate b
WHERE b.isbn = r.isbn
GROUP BY b.isbn)
AND cantitate > 10;

```

ISBN	ID_EDITURA	SERIE	NR_EPISOD	PRET	CANTITATE
1 978-3-16-148410-7	1003	SPIDER-MAN	14	16	21
2 978-3-16-148411-4	1003	SPIDER-MAN	7	15	13
3 978-3-16-018410-1	1004	IRON-MAN	1	16	21
4 978-3-16-148410-5	1003	SPIDER-MAN	16	16	40
5 978-3-16-148410-1	1003	SPIDER-MAN	20	16	21
6 978-3-16-058410-1	1004	IRON-MAN	5	16	16
7 905-3-16-101410-1	1000	MACHINE-MAN	5	18	20
8 978-3-16-148410-2	1003	SPIDER-MAN	19	16	30
9 978-3-16-088410-1	1004	IRON-MAN	8	16	20
10 978-3-16-148410-8	1003	SPIDER-MAN	13	16	11
11 978-3-16-028410-1	1004	IRON-MAN	2	16	20
12 901-3-16-101410-1	1000	MACHINE-MAN	1	18	11
13 978-3-16-148410-3	1003	SPIDER-MAN	18	16	45

--4. Sa se afiseze numarul de comenzi efectuat de clientii de sex feminin si cei de sex masculin

```
SELECT sex, COUNT(sex) numar
FROM clienti_benzi_desenate cl1
WHERE cl1.id_client IN
(SELECT cl.id_client
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client
GROUP BY cl.id_client)
GROUP BY sex;
```

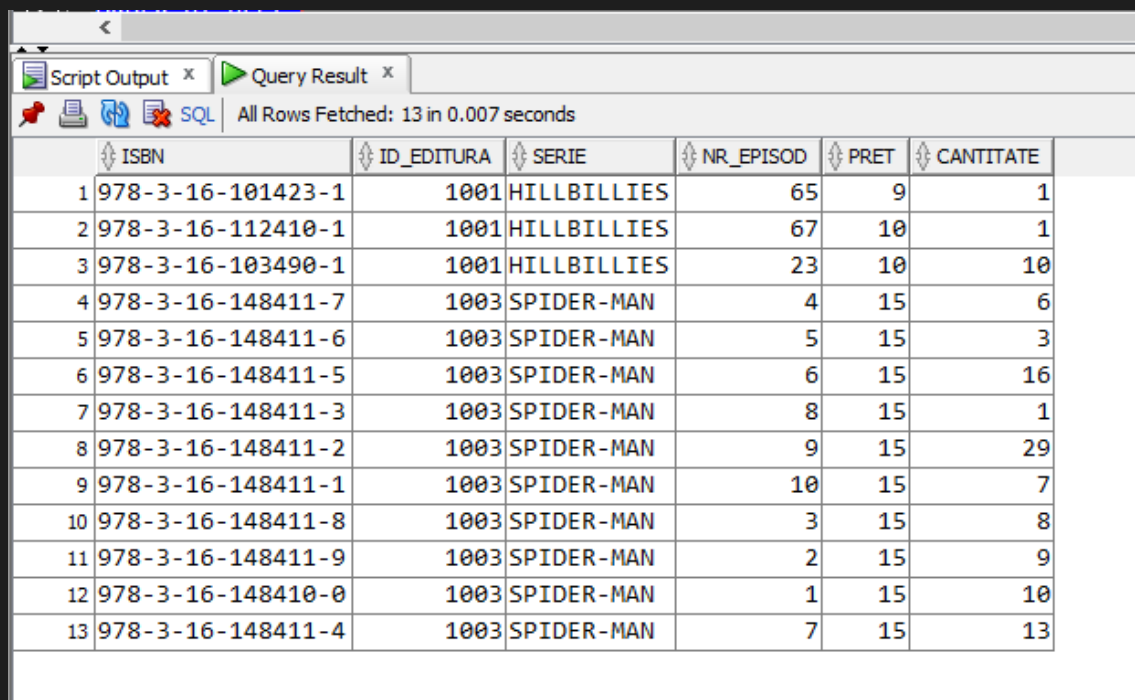


The screenshot shows a SQL query result window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying a table with two columns: 'SEX' and 'NUMAR'. The table contains two rows: one for 'M' (Male) with a count of 5, and one for 'F' (Female) with a count of 5. The status bar indicates 'All Rows Fetched: 2 in 0.013 seconds'.

	SEX	NUMAR
1	M	5
2	F	5

--5. Sa se afiseze toate informatiile despre editiile care au pretul mai mic decat pretul mediu

```
SELECT *
FROM benzi_desenate
WHERE pret < (SELECT ROUND(AVG(pret), 2) FROM benzi_desenate)
ORDER BY pret;
```

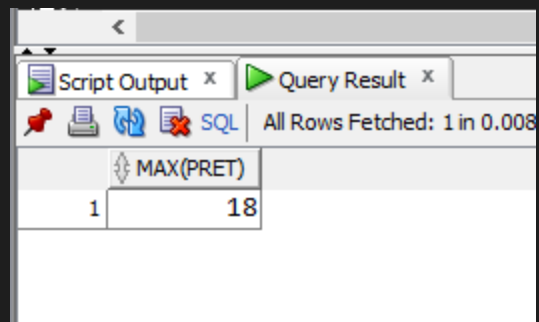


The screenshot shows a SQL query result window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying a table with seven columns: 'ISBN', 'ID_EDITURA', 'SERIE', 'NR_EPISOD', 'PRET', and 'CANTITATE'. The table contains 13 rows of data, sorted by 'PRET' in ascending order. The status bar indicates 'All Rows Fetched: 13 in 0.007 seconds'.

	ISBN	ID_EDITURA	SERIE	NR_EPISOD	PRET	CANTITATE
1	978-3-16-101423-1	1001	HILLBILLIES	65	9	1
2	978-3-16-112410-1	1001	HILLBILLIES	67	10	1
3	978-3-16-103490-1	1001	HILLBILLIES	23	10	10
4	978-3-16-148411-7	1003	SPIDER-MAN	4	15	6
5	978-3-16-148411-6	1003	SPIDER-MAN	5	15	3
6	978-3-16-148411-5	1003	SPIDER-MAN	6	15	16
7	978-3-16-148411-3	1003	SPIDER-MAN	8	15	1
8	978-3-16-148411-2	1003	SPIDER-MAN	9	15	29
9	978-3-16-148411-1	1003	SPIDER-MAN	10	15	7
10	978-3-16-148411-8	1003	SPIDER-MAN	3	15	8
11	978-3-16-148411-9	1003	SPIDER-MAN	2	15	9
12	978-3-16-148410-0	1003	SPIDER-MAN	1	15	10
13	978-3-16-148411-4	1003	SPIDER-MAN	7	15	13

--6. Sa se afiseze pretul celei mai scumpe editii dintre cele mai vandute editii

```
SELECT MAX(pret)
FROM benzi_desenate
WHERE isbn IN
(SELECT b.isbn
FROM rand_comanda_benzi_desenate r, benzi_desenate b
WHERE b.isbn = r.isbn
GROUP BY b.isbn);
```



The screenshot shows a SQL query result window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying the results of the query. The status bar indicates 'All Rows Fetched: 1 in 0.008'. The query result is shown in a table with one column, 'MAX(PRET)', and one row with the value '18'.

MAX(PRET)
18

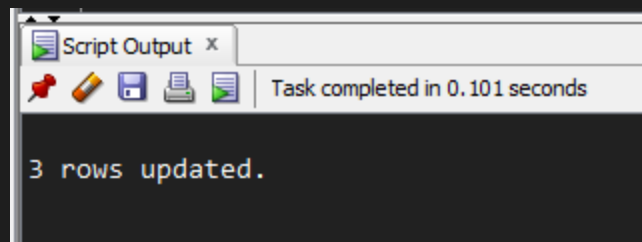
--TEST DE EVALUARE:

--1.Diminuează cu 10% stocul de benzi de desenate care au fost comandate în ultimele 3 luni de către clienți din Bucuresti

--Am modificat conditia cu adresa: nu am adrese care sa contina si orasul, asa ca am cautat dupa numele unei anumite strazi: Bisericii

--Am modificat si conditia cu lunile, pentru ca nu aveam comenzi asa recente

```
UPDATE benzi_desenate
SET cantitate = cantitate - 0.1*cantitate
WHERE isbn IN (
SELECT DISTINCT r.isbn
FROM comanda_benzi_desenate co, clienti_benzi_desenate cl, rand_comanda_benzi_desenate r
WHERE co.id_client = cl.id_client AND co.nr_comanda = r.nr_comanda AND ROUND(MONTHS_BETWEEN(s
ysdate, data)) <= 15 AND cl.adresa_client LIKE 'Bisericii%');
```








--2. Afișează clienții care au dat cel puțin 3 recenzii bune (cu note peste o limită) pentru benzile desenate care au prețul mai mare decât prețul mediu al tuturor benzilor desenate.

```
SELECT DISTINCT cl.*
FROM clienti_benzi_desenate cl, recenzii_benzi_desenate re, benzi_desenate b
WHERE cl.id_client = re.id_client AND b.isbn = re.isbn AND nota >= 2 AND b.pret <(SELECT ROUN
D(AVG(pret), 2) FROM benzi_desenate);
```

Script Output x

Query Result x



All Rows Fetched: 1 in 0.139 seconds

ID_CLIENT	NUME_CLIENT	PRENUME_CLIENT	DATA_NASTERE	ADRESA_CLIENT	EMAIL_CLIENT	SEX	NUMAR_TELEFON_CLIENT	DISCOUNT	
1	107	Coriolian	Ion	20-AUG-04	Bisericii 666	coriolian@gmail.com	M	0724246710	.1

--3. Construiește o interogare care să implementeze operatorul relațional de reuniune. De asemenea, comanda va folosi o funcție de grup și una scalară.

--Sa se afiseze discountul majorat pentru fiecare client(cadou de Craciun), astfel:

--clientilor care au cheltuit intre 50 si 100 lei li se va majora discountul cu 10%

--clientilor care au cheltuit intre 100 si 160 lei li se va majora discountul cu 20%

--clientilor care au cheltuit intre 160 si 1000 lei li se va majora discountul cu 30%%

```
SELECT c.id_client, UPPER(cb.numa_client) nume_client, cb.discount,cb.discount + 0.1*cb.disco
unt discount_actualizat
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi
_desenate cb
```

```

WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client
GROUP BY c.id_client, cb.discount, cb.num_client
HAVING SUM(b.pret*r.cantitate) BETWEEN 50 AND 100
UNION
SELECT c.id_client, UPPER(cb.num_client) num_client, cb.discount, cb.discount + 0.2*cb.discount discount_actualizat
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client
GROUP BY c.id_client, cb.discount, cb.num_client
HAVING SUM(b.pret*r.cantitate) BETWEEN 100 AND 160
UNION
SELECT c.id_client, UPPER(cb.num_client) num_client, cb.discount, cb.discount + 0.3*cb.discount discount_actualizat
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client
GROUP BY c.id_client, cb.discount, cb.num_client
HAVING SUM(b.pret*r.cantitate) BETWEEN 160 AND 1000;

```

Query Result x				
All Rows Fetched: 8 in 0.017 seconds				
	ID_CLIENT	NUME_CLIENT	DISCOUNT	DISCOUNT_ACTUALIZAT
1	101	DORIAN	.2	0.26
2	103	POPESCU	.2	0.26
3	104	FILIPESCU	.2	0.26
4	107	CORIOLIAN	.1	0.12
5	108	CALDARE	.2	0.26
6	110	ONETIU	.05	0.055
7	116	GEORGESCU	.2	0.26
8	117	MANCU	.2	0.26

--COMENZI SUPLIMENTARE PROIECT:

--1. Sa se afiseze clientii care nu au efectuat nicio comanda pana la data de 1 iunie 2019

```
SELECT *
FROM clienti_benzi_desenate
MINUS
SELECT cl.*
FROM clienti_benzi_desenate cl, comanda_benzi_desenate co
WHERE cl.id_client = co.id_client AND co.data < TO_DATE('01.06.2019', 'DD.MM.YYYY');
```

Query Result 1 x Script Output x Query Result 1 x Query Result 2 x

All Rows Fetched: 13 in 0.005 seconds

	ID_CLIENT	NUME_CLIENT	PRENUME_CLIENT	DATA_NASTERE	ADRESA_CLIENT	EMAIL_CLIENT	SEX	NUMAR_TELEFON_CLIENT	DISCOUNT
1	100	Dobrescu	Marius	26-MAR-00	Marinarilor 7	dobrescu@gmail.com	M	0724456710	0
2	105	Mardare	Andrei	02-JUN-98	Ionescu Brad 3	mardare@gmail.com	M	0721226710	0
3	106	Vladescu	George	05-JUL-06	Carmangeriei 2	vladescu@gmail.com	M	0724412310	0
4	107	Coriolian	Ion	20-AUG-04	Bisericii 666	coriolian@gmail.com	M	0724246710	.1
5	108	Caldare	Iulian	06-OCT-05	Uneltelor 2	caldare@gmail.com	M	0721246903	.2
6	109	Cristian	Mircea	21-DEC-05	Trandafirilor 3	cristian@gmail.com	M	0724457891	0
7	110	Onetiu	Valentin	30-NOV-83	Revolutiei 89	onetiu@gmail.com	M	0739956710	.05
8	111	Casin	Diana	11-AUG-56	Craciunului 25	casin@gmail.com	F	0724402710	0
9	112	Mircea	Andreea	12-JUN-81	Pastelui 3	mircea@gmail.com	F	0724450110	0
10	113	Zlatan	Ibrahimovic	02-MAY-89	Soldatilor 4	zlatan@gmail.com	M	0771246953	0
11	114	Lorin	Catalin	18-APR-94	Primariei 5	lorin@gmail.com	M	0720036710	0
12	116	Georgescu	Mariana	09-OCT-87	Dorobanti 1	mgeorgescu@gmail.com	F	0726675710	.2
13	117	Mancu	Matei	13-JUL-90	Razbunarii 5	mancu@gmail.com	M	0724491710	.2

--2. Sa se afiseze toti clientii care sunt de sex masculin, au comandat produse de cel putin 100 lei si au oferit recenzii

```
SELECT *
FROM clienti_benzi_desenate
WHERE sex = 'M'
INTERSECT
SELECT *
FROM clienti_benzi_desenate
WHERE id_client IN
(SELECT c.id_client
FROM rand_comanda_benzi_desenate r, benzi_desenate b, comanda_benzi_desenate c, clienti_benzi_desenate cb
WHERE r.isbn = b.isbn AND r.nr_comanda = c.nr_comanda AND cb.id_client = c.id_client
GROUP BY c.id_client
HAVING SUM(b.pret*r.cantitate) > 100)
MINUS
SELECT cl.*
FROM clienti_benzi_desenate cl, recenzii_benzi_desenate b
WHERE cl.id_client = b.id_client;
```

Query Result

Script Output

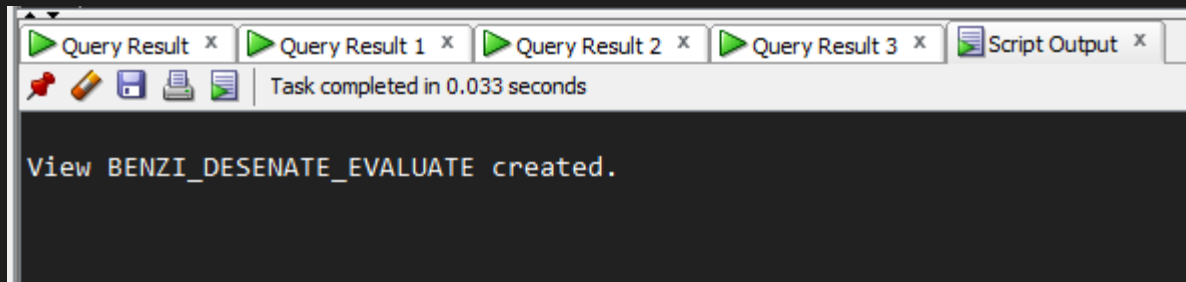
Query Result 1

Query Result 2

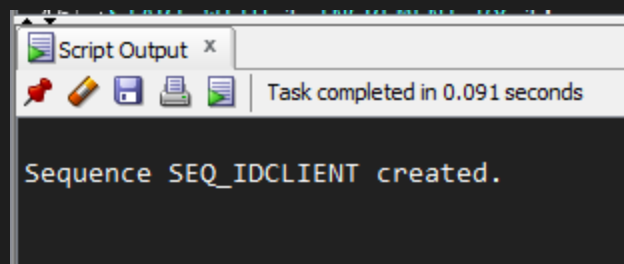
All Rows Fetched: 3 in 0.093 seconds

ID_C...	NUME_CLIENT	PRENUME_CLIENT	DATA_NASTERE	ADRESA_CLIENT	EMAIL_CLIENT	SEX	NUMAR_TELEFON_CLIENT	DISCOUNT	
1	104	Filipescu	Vlad	01-JAN-97	Infratii 4	filipescu@gmail.com	M	0724456900	.2
2	108	Caldare	Iulian	06-OCT-05	Uneltelor 2	caldare@gmail.com	M	0721246903	.2
3	117	Mancu	Matei	13-JUL-90	Razbunarii 5	mancu@gmail.com	M	0724491710	.2

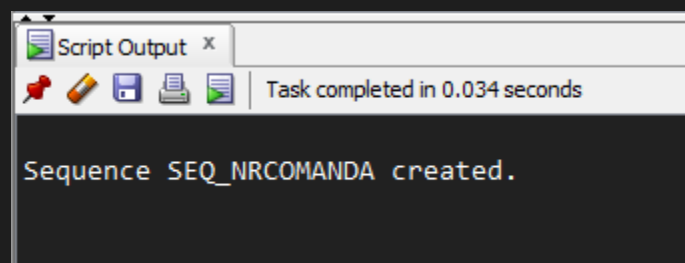
--3. Sa se realizeze o tabela virtuala cu toate benzile desenate care au primit review
CREATE OR REPLACE VIEW benzi_desenate_evaluate AS
SELECT b.*, r.nota
FROM benzi_desenate b, recenzii_benzi_desenate r
WHERE b.isbn = r.isbn



--4. Sa se creeze o secventa pentru asigurarea unicitatii cheii primare din tabela clienti_benzi_desenate
CREATE SEQUENCE seq_idclient
START WITH 100 INCREMENT BY 1
MAXVALUE 100000 NOCYCLE;



--5. Sa se creeze o scventa pentru asigurarea unicitatii cheii primare din tabela comanda_benzi_desenate
CREATE SEQUENCE seq_nrcomanda
START WITH 1 INCREMENT BY 1;

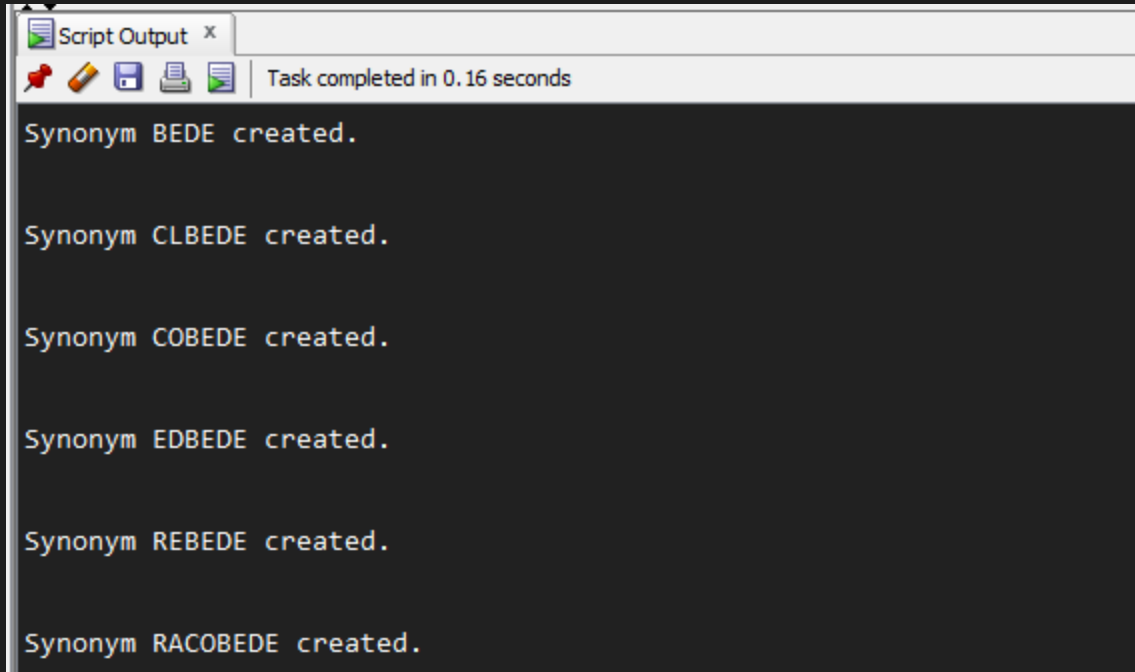


--6. Sa se creeze sinonime pentru toate tebelele, pastrandu-se doar primele 2 litere din fiecare cuvant component

```
CREATE SYNONYM bede for benzi_desenate;  
CREATE SYNONYM clbede for clienti_benzi_desenate;  
CREATE SYNONYM cobede for comanda_benzi_desenate;  
CREATE SYNONYM edbede for edituri_benzi_desenate;
```



```
CREATE SYNONYM rebede for recenzii_benzi_desenate;  
CREATE SYNONYM racobede for rand_comanda_benzi_desenate;
```



```
Script Output x  
Task completed in 0.16 seconds  
Synonym BEDE created.  
  
Synonym CLBEDE created.  
  
Synonym COBEDE created.  
  
Synonym EDBEDE created.  
  
Synonym REBEDE created.  
  
Synonym RACOBED created.
```

--7. Sa se afiseze pretul crescut al fiecarui produs in functie de editura, astfel:

--ARTHUR: + 1 leu

--KOOB: + 2 lei

--CRISAN: + 0.5 lei

--DC_COMICS: + 3 lei

--MARVEL: + 3.5 lei

```
SELECT DECODE(e.ume, 'ARTHUR', 1, 'KOOB', 2, 'CRISAN', 0.5, 'DC_COMICS', 3, 'MARVEL', 3.5) +  
       b.pret pret_actualizat  
FROM   bede b, edbede e  
WHERE  b.id_editura = e.id_editura;
```

--8. Sa se adauge inregistrari suplimentare in tabela recenzii_benzi_desenate

```
CREATE SEQUENCE seq_recenzii
```

```
START WITH 6 INCREMENT BY 1
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '107', '978-3-16-148410-0', '5');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '100', '978-3-16-148410-0', '4');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '101', '978-3-16-148411-9', '4');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '102', '978-3-16-148411-8', '2');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '103', '978-3-16-148411-7', '5');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '104', '978-3-16-148411-6', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '105', '978-3-16-148411-5', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '106', '978-3-16-148411-4', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '107', '978-3-16-148411-3', '5');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '108', '978-3-16-148411-2', '5');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '109', '978-3-16-148411-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '110', '978-3-16-148411-0', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '111', '978-3-16-148410-9', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '112', '978-3-16-148410-8', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '113', '978-3-16-148410-7', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '114', '978-3-16-148410-6', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '115', '978-3-16-148410-5', '5');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '116', '978-3-16-148410-4', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '117', '978-3-16-148410-3', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '100', '978-3-16-148410-2', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '101', '978-3-16-148410-1', '4');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '102', '978-3-16-018410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '103', '978-3-16-028410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '104', '978-3-16-038410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '105', '978-3-16-048410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '106', '978-3-16-058410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '107', '978-3-16-068410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '108', '978-3-16-078410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '109', '978-3-16-088410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '110', '978-3-16-098410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '111', '978-3-16-108410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '112', '978-3-16-101410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '113', '978-3-16-102410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '114', '978-3-16-103410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '115', '978-3-16-112410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '116', '978-3-16-101423-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '117', '978-3-16-103490-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
```

```
VALUES (seq_recenzii.NEXTVAL, '100', '901-3-16-101410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '101', '902-3-16-101410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '102', '903-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '103', '904-3-16-101410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '104', '905-3-16-101410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '105', '906-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '106', '978-3-16-148410-0', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '107', '978-3-16-148410-0', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '108', '978-3-16-148411-9', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '109', '978-3-16-148411-8', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '110', '978-3-16-148411-7', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '111', '978-3-16-148411-6', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '112', '978-3-16-148411-5', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '113', '978-3-16-148411-4', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '114', '978-3-16-148411-3', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '115', '978-3-16-148411-2', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '116', '978-3-16-148411-1', '4');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '117', '978-3-16-148411-0', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '100', '978-3-16-148410-9', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '101', '978-3-16-148410-8', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '102', '978-3-16-148410-7', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '103', '978-3-16-148410-6', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '104', '978-3-16-148410-5', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '105', '978-3-16-148410-4', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '106', '978-3-16-148410-3', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '107', '978-3-16-148410-2', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '108', '978-3-16-148410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '109', '978-3-16-018410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '110', '978-3-16-028410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '111', '978-3-16-038410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '112', '978-3-16-048410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '113', '978-3-16-058410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '114', '978-3-16-068410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '115', '978-3-16-078410-1', '3');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '116', '978-3-16-088410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '117', '978-3-16-098410-1', '5');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '100', '978-3-16-108410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '101', '978-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '102', '978-3-16-102410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '103', '978-3-16-103410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '104', '978-3-16-112410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '105', '978-3-16-101423-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '106', '978-3-16-103490-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '107', '901-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '108', '902-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '109', '903-3-16-101410-1', '1');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '110', '904-3-16-101410-1', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '111', '905-3-16-101410-1', '3');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '112', '906-3-16-101410-1', '4');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
VALUES (seq_recenzii.NEXTVAL, '113', '978-3-16-148410-0', '2');

INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)
```

```
VALUES (seq_recenzii.NEXTVAL, '114', '978-3-16-148410-0', '3');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '115', '978-3-16-148411-9', '1');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '116', '978-3-16-148411-8', '3');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '117', '978-3-16-148411-7', '2');
```

```
INSERT INTO rebede(ID_RECENZIE, ID_CLIENT, ISBN, NOTA)  
VALUES (seq_recenzii.NEXTVAL, '100', '978-3-16-148411-6', '1');
```

	ID_RECENZIE	ID_CLIENT	ISBN	NOTA	TEXT
1	1	107	978-3-16-148410-0	5	foarte fain
2	2	107	978-3-16-112410-1	4	oarecum fain
3	3	107	978-3-16-108410-1	3	merge
4	4	101	978-3-16-108410-1	3	(null)
5	5	101	978-3-16-148411-5	1	nu prea mi-a placut, baieti
6	6	115	978-3-16-102410-1	5	decent
7	7	107	978-3-16-148410-0	5	(null)
8	8	100	978-3-16-148410-0	4	(null)
9	9	101	978-3-16-148411-9	4	(null)
10	10	102	978-3-16-148411-8	2	(null)
11	11	103	978-3-16-148411-7	5	(null)
12	12	104	978-3-16-148411-6	3	(null)
13	13	105	978-3-16-148411-5	1	(null)
14	14	106	978-3-16-148411-4	4	(null)
15	15	107	978-3-16-148411-3	5	(null)
16	16	108	978-3-16-148411-2	5	(null)
17	17	109	978-3-16-148411-1	3	(null)
18	18	110	978-3-16-148411-0	2	(null)
19	19	111	978-3-16-148410-9	1	(null)
20	20	112	978-3-16-148410-8	4	(null)
21	21	113	978-3-16-148410-7	1	(null)
22	22	114	978-3-16-148410-6	2	(null)
23	23	115	978-3-16-148410-5	5	(null)
24	24	116	978-3-16-148410-4	3	(null)
25	25	117	978-3-16-148410-3	2	(null)
26	26	100	978-3-16-148410-2	1	(null)
27	27	101	978-3-16-148410-1	4	(null)
28	28	102	978-3-16-018410-1	4	(null)
29	29	103	978-3-16-028410-1	1	(null)
30	30	104	978-3-16-038410-1	3	(null)
31	31	105	978-3-16-048410-1	2	(null)

--9. Sa se afiseze nota medie la care au fost evaluate alaturi de editura de la care provin

```

SELECT b.isbn, e.ume, ROUND(SUM(r.nota)/COUNT(r.nota), 2) nota_medie
FROM rebede r, bede b, edbede e
WHERE r.isbn = b.isbn AND b.id_editura = e.id_editura
GROUP BY b.isbn, e.ume
ORDER BY SUM(r.nota)/COUNT(r.nota);

```

Query Result x			
All Rows Fetched: 42 in 0.008 seconds			
	ISBN	NUME	NOTA_MEDIE
1	978-3-16-148410-7	DC_COMICS	1
2	978-3-16-148410-9	DC_COMICS	1
3	978-3-16-028410-1	MARVEL	1
4	978-3-16-148411-5	DC_COMICS	1.33
5	904-3-16-101410-1	ARTHUR	1.5
6	978-3-16-148410-3	DC_COMICS	1.5
7	978-3-16-148411-6	DC_COMICS	1.67
8	978-3-16-148410-6	DC_COMICS	2
9	978-3-16-148410-2	DC_COMICS	2
10	978-3-16-148411-0	DC_COMICS	2
11	978-3-16-148411-9	DC_COMICS	2.33
12	978-3-16-102410-1	CRISAN	2.33
13	978-3-16-068410-1	MARVEL	2.5
14	978-3-16-103410-1	CRISAN	2.5
15	978-3-16-078410-1	MARVEL	2.5
16	978-3-16-101423-1	KOOB	2.5
17	978-3-16-058410-1	MARVEL	2.5
18	978-3-16-038410-1	MARVEL	2.5
19	903-3-16-101410-1	ARTHUR	2.5
20	978-3-16-048410-1	MARVEL	2.5
21	978-3-16-148411-8	DC_COMICS	2.67
22	901-3-16-101410-1	ARTHUR	3
23	978-3-16-108410-1	MARVEL	3
24	978-3-16-098410-1	MARVEL	3
25	905-3-16-101410-1	ARTHUR	3
26	978-3-16-103490-1	KOOB	3
27	978-3-16-101410-1	CRISAN	3
28	978-3-16-148410-0	DC_COMICS	3.14
29	978-3-16-148410-1	DC_COMICS	3.5
30	978-3-16-148411-1	DC_COMICS	3.5
31	978-3-16-088410-1	MARVEL	3.5
32	902-3-16-101410-1	ARTHUR	3.5
33	978-3-16-148410-4	DC_COMICS	3.5

--10. Sa se afiseze clientii si numarul de review-uri pe care le-au oferit

```
SELECT c.id_client, c.num_client, COUNT(r.nota) numar_note
```

```
FROM clbede c, rebede r
```

```
WHERE c.id_client = r.id_client
```

```
GROUP BY c.id_client, c.num_client
```

Query Result 4 x			
All Rows Fetched: 18 in 0.009 seconds			
	ID_CLIENT	NUME_CLIENT	NUMAR_NOTE
1	100	Dobrescu	6
2	101	Dorian	7
3	102	Matei	5
4	103	Popescu	5
5	104	Filipescu	5
6	105	Mardare	5
7	106	Vladescu	5
8	107	Coriolian	9
9	108	Caldare	5
10	109	Cristian	5
11	110	Onetiu	5
12	111	Casin	5
13	112	Mircea	5
14	113	Zlatan	5
15	114	Lorin	5
16	115	Dobrescu	6
17	116	Georgescu	5
18	117	Mancu	5