Sorejevic Ana CR3.3A

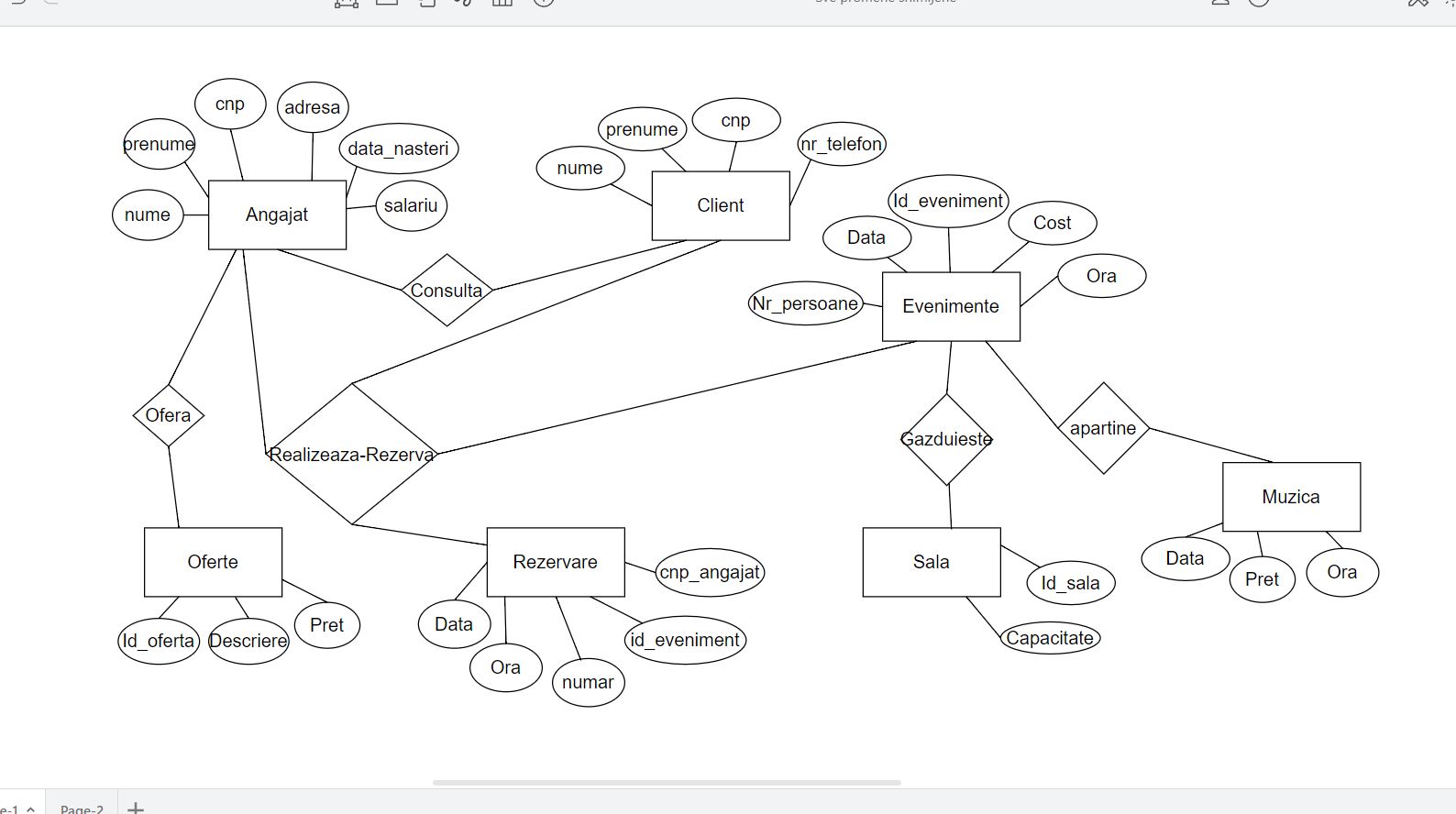
**BAZA DE DATE**

**SALA DE EVENIMENTE**

1. Modelul ER entitate – legatura. Prezentarea entitatilor si a legaturilor dintre

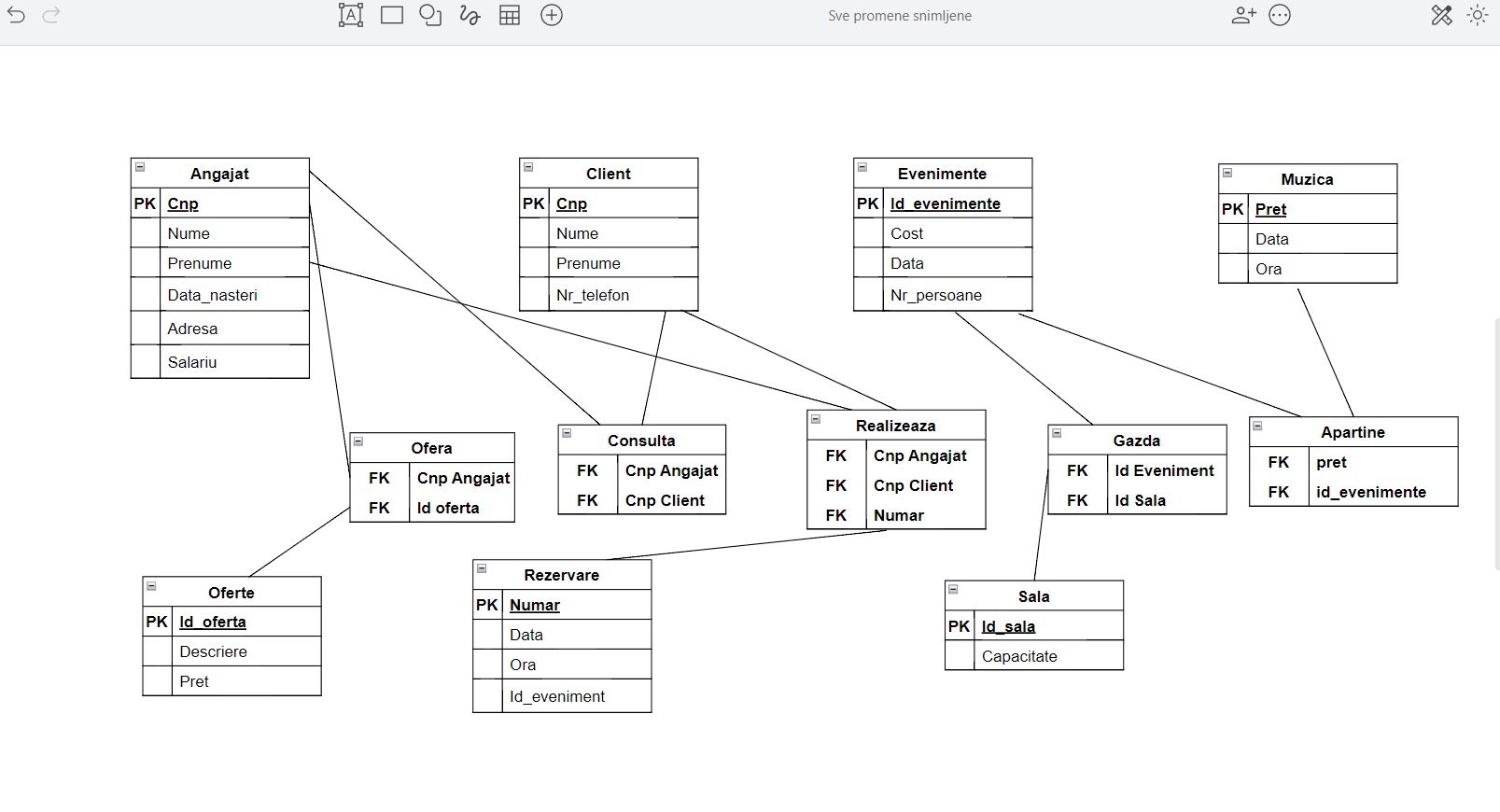
acestea, impreuna cu cardinaliatea lor. Baza de date trebuie sa contina minimum 7

entitati.



2. Schema relationala (stabilirea relatiilor, atributelor, cheilor primare, constrangerilor,

legaturilor dintre relatii - chei externe)



**Creare Tabele**

create table Angajat(

CNP varchar(13) not null,

Nume varchar (15) not null,

Prenume varchar(15) not null,

DataNastere date,

Salariu real,

Adresa varchar(25),

primary key(CNP)

);

Create table Client(

CNP varchar(13) not null,

Nume varchar(15) not null,

Prenume varchar(15) not null,

Nr\_telefon varchar(10),

primary key (CNP)

);

Create table Evenimente(

Id\_evenimente integer not null,

Cost\_eveniment real not null,

Data\_eveniment date not null,

Nr\_persoane integer,

primary key (Id\_evenimente)

);

Create table Oferte(

Id\_oferta integer not null,

Descriere varchar(1000) not null,

Pret real not null,

primary key (Id\_oferta)

);

Create table Rezervare(

Numar integer not null,

Data\_rezervare date not null,

Ora time not null,

Id\_eveniment integer,

Cnp\_angajat varchar(13),

primary key (Numar)

);

Create table Sala(

Id\_Sala integer not null,

Capacitate integer not null,

primary key (Id\_Sala)

);

create table Realizeaza\_Rezerva(

CNP\_Angajat varchar(13),

CNP\_Client varchar(13),

Numar integer

);

create table Ofera(

CNP\_Angajat varchar(13),

Id\_oferta integer

);

create table Consulta(

CNP\_Angajat varchar(13),

CNP\_Client varchar(13)

);

create table Gazda(

Id\_Ev integer not null,

Id\_Sala integer not null

);

Create table muzica(

pret\_muzica real not null,

Data\_muzica date not null,

Ora\_muzica time not null,

primary key (Data\_muzica)

);

create table Apartine(

Data\_muzica date not null,

id\_eveniment integer not null

);

**Creare Chei Externe**

-----Ofera-->>Angajat----

ALTER TABLE Ofera ADD CONSTRAINT

fk\_cnp\_angajat\_cnp

FOREIGN KEY (CNP\_Angajat )

REFERENCES Angajat(CNP);

-----Ofera-->>Oferte----

ALTER TABLE Ofera ADD CONSTRAINT

fk\_Id\_ofera\_Id\_oferta

FOREIGN KEY (Id\_oferta )

REFERENCES Oferte(Id\_oferta);

-----Consulta-->>Angajat---

ALTER TABLE Consulta ADD CONSTRAINT

fk\_Cnp\_angajat\_Cnp

FOREIGN KEY (CNP\_Angajat )

REFERENCES Angajat(CNP);

-----Consulta-->>Client---

ALTER TABLE Consulta ADD CONSTRAINT

fk\_Cnp\_Client\_Cnp

FOREIGN KEY (CNP\_Client )

REFERENCES Client(CNP);

-----Realizeaza\_Rezerva-->>Angajat--

ALTER TABLE Realizeaza\_Rezerva ADD CONSTRAINT

fk\_Cnp\_Cnp\_Angajat

FOREIGN KEY (CNP\_Angajat)

REFERENCES Angajat(CNP);

-----Realizeaza\_Rezerva-->>Client--

ALTER TABLE Realizeaza\_Rezerva ADD CONSTRAINT

fk\_Cnp\_Cnp\_Client

FOREIGN KEY (CNP\_Client)

REFERENCES Client(CNP);

-----Realizeaza\_Rezerva-->>Rezervare----

ALTER TABLE Realizeaza\_Rezerva ADD CONSTRAINT

fk\_Numar\_Numar

FOREIGN KEY (Numar)

REFERENCES Rezervare(Numar);

-----Gazda-->>Evenimente--

ALTER table Gazda ADD CONSTRAINT

fk\_Id\_Ev\_Id\_evenimente

FOREIGN KEY (Id\_Ev)

REFERENCES Evenimente(Id\_evenimente);

-----Gazda-->>Sala--

ALTER table Gazda ADD CONSTRAINT

fk\_Id\_sala\_Id\_sala

FOREIGN KEY (Id\_Sala)

REFERENCES Sala(Id\_Sala);

ALTER TABLE apartine ADD CONSTRAINT

fk\_Id\_evenimenta\_Id\_eveniment

FOREIGN KEY (Id\_eveniment )

REFERENCES apartine(Id\_eveniment);

ALTER TABLE apartine ADD CONSTRAINT

fk\_data\_data\_muzica

FOREIGN KEY (data\_muzica )

REFERENCES apartine(data\_muzica);

**Inserare Date Tabel Angajati**

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6000781005163’,

‘Popescu’,

‘Maria’,

‘06/08/1971’,

‘2850’,

‘str.24 ianuarie,Nr. 29’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6012781005163’,

‘Marinescu’,

‘Mara’,

‘09/08/1971’,

‘2890’,

‘str.24A,Nr. 32’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6200781005163’,

‘Pop’,

‘Ioana’,

‘07/08/1981’,

‘2550’,

‘str.Mihai Eminescu,Nr. 39’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6008781005163’,

‘Grigore’,

‘Sara’,

‘06/08/1571’,

‘2220’,

‘str.Primaverii,Nr. 5’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6009781005163’,

‘Vasile’,

‘Marcu’,

‘03/08/1971’,

‘2250’,

‘str.Gara,Nr. 4’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6012781505163’,

‘Ciontu’,

‘Claudia’,

‘06/07/1971’,

‘3550’,

‘str.1 decembrie,Nr. 8’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6070701005263’,

‘Motoc’,

‘Andra’,

‘06/12/1971’,

‘2870’,

‘str.5A,Nr. 76’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘6005681005163’,

‘Draghici’,

‘Andreea’,

‘01/02/1854’,

‘2859’,

‘str.Cascadei,Nr. 45’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘2000781005163’,

‘Nitescu’,

‘Laura’,

‘01/10/1961’,

‘2980’,

‘str.Pop,Nr. 3S’

);

insert into Angajat(CNP,Nume,Prenume,DataNastere,Salariu,Adresa) values

(‘5649781005163’,

‘Varia’,

‘Marinela’,

‘02/05/1999’,

‘3456’,

‘str.Soarelui,Nr. 42’

);

**Inserare Date Tabel Client**

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5658781005163’,

‘Cristescu’,

‘Valeria’,

‘0786539921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘1258781005163’,

‘Codrescu’,

‘Larisa’,

‘0786538921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5658321005169’,

‘Cercel’,

‘Daniel’,

‘0786579921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5058081005163’,

‘Grigorescu’,

‘Carla’,

‘0782539921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘1658781005163’,

‘Florescu’,

‘Catalina’,

‘0786939921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5650781505163’,

‘Dragomir’,

‘Andrei’,

‘0786439921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘3658781005163’,

‘Costache’,

‘Ion’,

‘0786529921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5658781005100’,

‘Marancea’,

‘Mihai’,

‘0786039921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5658781005003’,

‘Dadulescu’,

‘Roberta’,

‘0786799921’

);

insert into Client(CNP,Nume,Prenume,Nr\_telefon) values

(‘5018781005163’,

‘Ludovic’,

‘Mara’,

‘0788539921’

);

**Inserare Date Tabel Evenimente**

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘20’,

‘400’,

‘03/02/2021’,

‘30’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘135’,

‘420’,

‘03/02/2019’,

‘678’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘450’,

‘460’,

‘09/02/2021’,

‘87’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘240’,

‘760’,

‘03/07/2021’,

‘79’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘260’,

‘4080’,

‘08/02/2021’,

‘309’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘207’,

‘200’,

‘03/02/2017’,

‘456’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘70’,

‘460’,

‘07/02/2021’,

‘309’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘28’,

‘465’,

‘03/02/2024’,

‘378’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘40’,

‘407’,

‘03/07/2021’,

‘35’

);

insert into Evenimente(Id\_evenimente,Cost\_eveniment,Data\_eveniment,Nr\_persoane) values

(‘10’,

‘700’,

‘09/02/2021’,

‘37’

);

**Inserare Date Tabel Oferte**

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘29’,

‘Speciala’,

‘360’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘45’,

‘Mare’,

‘3608’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘56’,

‘Mica’,

‘567’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘234’,

‘Promotie’,

‘12’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘467’,

‘Promotionala’,

‘879’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘86’,

‘Tichete’,

‘345’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘705’,

‘Cod’,

‘430’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘576’,

‘Extra’,

‘97’);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘189’,

‘Promotie\_De\_Vara’,

‘900’

);

insert into Oferte (Id\_oferta,Descriere,Pret) values

(‘472’,

‘Cadou’,

‘6590’

);

**Inserare Date Tabel Muzica**

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('2000',

'04/07/2015',

'20:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('1000',

'09/07/2015',

'23:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('3000',

'08/07/2015',

'13:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('1420',

'04/09/2019',

'18:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('2400',

'01/07/2015',

'11:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('750',

'04/02/2016',

'15:00'

);

insert into Muzica (pret\_muzica,data\_muzica,ora\_muzica) values

('1320',

'08/07/2015',

'13:00'

);

**Inserare Date Tabel Rezervare**

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('365',

'04/07/2015',

'20:00',

'078'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('165',

'09/07/2015',

'23:00',

'476'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('980',

'04/06/2015',

'21:00',

'158'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('748',

'08/07/2015',

'13:00',

'231'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('47698',

'04/02/2016',

'15:00',

'88789'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('3653',

'04/09/2019',

'18:00',

'07968'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('3605',

'04/03/2015',

'22:00',

'0708'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('3980',

'07/09/2013',

'02:00',

'07128'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('36502',

'04/06/2015',

'12:00',

'07845'

);

insert into Rezervare(Numar,Data\_rezervare,Ora,Id\_eveniment) values

('42365',

'01/07/2015',

'11:00',

'078421'

);

**Inserare Date Tabel Sala**

insert into Sala(Id\_sala,Capacitate) values

('200',

'34'

);

insert into Sala(Id\_sala,Capacitate) values

('567',

'345'

);

insert into Sala(Id\_sala,Capacitate) values

('987',

'123'

);

insert into Sala(Id\_sala,Capacitate) values

('56778',

'90087'

);

insert into Sala(Id\_sala,Capacitate) values

('3086',

'3477'

);

insert into Sala(Id\_sala,Capacitate) values

('20780',

'3400'

);

insert into Sala(Id\_sala,Capacitate) values

('20320',

'3411'

);

insert into Sala(Id\_sala,Capacitate) values

('20340',

'3467'

);

insert into Sala(Id\_sala,Capacitate) values

('9753',

'700'

);

insert into Sala(Id\_sala,Capacitate) values

('890',

'5679'

);

**Inserare Date Tabel Realizeaza Rezerva**

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6000781005163',

'5658781005163',

'365'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6012781005163',

'1258781005163',

'165'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6200781005163',

'5658321005169',

'980'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6008781005163',

'5058081005163',

'748'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6009781005163',

'1658781005163',

'47698'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6012781505163',

'5650781505163',

'3653'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6070701005263',

'3658781005163',

'3605'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('6005681005163',

'5658781005100',

'3980'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('2000781005163',

'5658781005003',

'36502'

);

insert into Realizeaza\_Rezerva(CNP\_Angajat,CNP\_Client,Numar) values

('5649781005163 ',

'5018781005163',

'42365'

);

**Inserare Date Tabel Gazda**

insert into Gazda(Id\_Ev,Id\_Sala) values

('10',

'200'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('135',

'567'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('450',

'987'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('240',

'56778'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('450',

'987'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('260',

'3086'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('207',

'20780'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('70',

'20320'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('28',

'20340'

);

insert into Gazda(Id\_Ev,Id\_Sala) values

('40',

'9753'

);

**Inserare Date Tabel Consulta**

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6000781005163',

'5658781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6012781005163',

'1258781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6012781005163',

'5658321005169'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6009781005163',

'1658781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6009781005163',

'5650781505163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6070701005263',

'3658781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('6005681005163',

'5658781005100'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('2000781005163',

'5658781005003'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('5649781005163',

'5018781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('5649781005163',

'5018781005163'

);

insert into Consulta(Cnp\_Angajat,Cnp\_Client) values

('2000781005163',

'5658781005003'

);

**Inserare Date Tabel Ofera**

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6012781005163',

'29'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6012781005163',

'29'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6000781005163',

'45'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6012781005163',

'56'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6200781005163',

'234'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6012781005163',

'86'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('6070701005263',

'705'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('2000781005163',

'189'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('2000781005163',

'467'

);

insert into Ofera(CNP\_Angajat,Id\_oferta)values

('5649781005163',

'576'

);

**Operatii de Update**

----update la tabela Angajat unde avem CNP=x setam Prenumele='Maricica'

update Angajat set Prenume='Maricica'

where CNP='6070701005263';

----update la tabela Client unde avem CNP=y setam Nr\_Telefon='0787887129'

update Client set Nr\_Telefon='0787887129'

where Cnp='5658781005163';

----update la tabela Eveniment unde avem Nr\_Persoane>z setam Cost\_eveniment='1000'

update Evenimente set Cost\_eveniment='1000'

where Nr\_Persoane>'400';

----update la tabela Consulta unde avem CNP\_Client=aaa setam CNP\_Angajat='bbb'

update Consulta set Cnp\_Angajat='6000781005163'

where Cnp\_Client='1258781005163';

**Operatii de Delete**

--Sterge toti Clientii care au Nr Telefon=’aaa’

DELETE FROM Client

WHERE Nr\_Telefon='0099223344’;

----Sterge toti angajatii care au salariul mai mic de 2100'

DELETE FROM Angajat

WHERE Salariu<'2100';

--Sterge toate gazduirile care au Id\_Sala<1000

DELETE FROM Gazda

WHERE Id\_Sala<'1000';

--Sterge toti Clientii care au Numele Mihai

DELETE FROM Client

WHERE Nume='Mihai';

---Sterge toate Muzica care au pret>3000

DELETE FROM Muzica

WHERE pret\_muzica>'3000';

Forma normală 1 (FN1)

**Ofera**

|  |  |
| --- | --- |
| CNP\_Angajat | ID\_Sala |
| 50034677843211 | 101,1002 |
| 50034227843211 | 100 |

Domeniul pentru atributul ID\_Sala contine o multime de valori si nu este atomic. In acest caz, atributul va fi indepartat si se va crea o alta relatie Sala-CnpAngajat (CNP\_Angajat, Id.)

Deoarece un angajat poate sa prezinte in oferta mai multe sali(id-sala) va fi necesar dupa normalizare sa avem relatia sala-Angajat unde va trebui sa se mentioneze doar un singur ID pentru sala.

Forma normală 4 (FN4)

|  |  |  |
| --- | --- | --- |
| ID\_Oferta | Descriere | Pret |
| 101 | Sala Mare | 10000 |
| 200 | Sala Mica | 20010 |
| 1000 | Sala Pentru Nunti | 222222 |

Dependente multivaloare: ID\_Oferta –›–› Descriere

ID\_Oferta –›–› Pret

Avem o dependenta pentru Id\_Oferta din partea Descrierii si Pretului.

**Interogari cu operatii de Jonctiune**

--Sa se afiseze clientii care au numarul de telefon si au facut rezervare.

select Nume,Prenume,Nr\_Telefon from Client

c inner join Realizeaza\_Rezerva rr on c.Cnp =rr.Cnp\_Client

and c.Nr\_Telefon='0786538921';

--Sa se afiseze angajatii care au realizat rezervari si au salariul mai mare decat .

select Nume,Prenume,Salariu from Angajat

a inner join Realizeaza\_Rezerva rr on a.CNP =rr.Cnp\_Angajat

and Salariu>'2800';

**Interogari care sa contina functii de agregare si Group by**

--Afisam Clientii dupa Nume

SELECT Client.Nume FROM Client

group by Nume;

--Afisam angajatii dupa Prenume,Nume si Salariu

SELECT Angajat.Prenume ,Angajat.Nume ,Angajat.Salariu FROM Angajat

group by Prenume,Nume,Salariu;

--Afisam Oferte dupa pret

SELECT oferte.pret FROM oferte

group by pret;

--Afisam Rezervare dupa data,ora

SELECT Rezervare.data\_rezervare,Rezervare.ora FROM rezervare

group by ora,Data\_rezervare;

--Afisam Sala dupa Capacitate

SELECT Sala.capacitate FROM sala

group by capacitate;

SELECT MAX(oferte.pret) FROM oferte

group by pret;

SELECT angajat.Nume, AVG(salariu) FROM angajat

group by nume;

SELECT Evenimente.data\_eveniment,SUM(Evenimente.Cost\_eveniment) FROM Evenimente

group by data\_eveniment;

**Exemple de subinterogari**

--Selectam Nume si Prenume din angajati unde salariul este mai mic

--decat salariul angajatului cu CNP-ul dat

select Nume,Prenume from Angajat where Salariu<all

(Select Salariu from Angajat where CNP='6012781005163');

--Selectam toti angajati unde salariul intre 2 numere

SELECT \*FROM Angajat

WHERE Salariu Between 2500 and 3000;

--Selectam toti Clientii care au prenumele dat i

SELECT \*FROM Client

WHERE Cnp in(select Cnp where Prenume='Larisa');

--Selectam Ofertele care au pretul mai mic decat 800

SELECT \*FROM Oferte

WHERE Pret <any(select Pret from Oferte where Pret<'800');

--Selectam Angajatii care au salariu mai mic orice salariu aflat intre 2500 si2800

SELECT \*FROM Angajat

WHERE Salariu <any(select Salariu

from Angajat where Salariu between 2500 and 2800);

--Afisam nume si prenume al clientului

-- daca a facut rezervarea cu numarul dat

SELECT Nume,Prenume FROM Client c

WHERE EXISTS

(SELECT \* FROM Realizeaza\_rezerva rr

WHERE rr.Cnp\_Client = c.Cnp AND Numar ='365' );

-- Afisam angajatii cu numele Popescu

SELECT \*

FROM Angajat

WHERE Nume IN('Popescu');

**Utilizarea a cel puțin 2 funcții pe șiruri de caractere, 2 funcții pe date**

**calendaristice, a funcțiilor NVL și DECODE, a cel puțin unei expresii CASE.**

select \*

from Angajat

where DataNastere =’ 07/08/1981’

SELECT UPPER(nume),upper (prenume)

FROM client

SELECT nume, prenume

FROM angajat

WHERE LENGTH(Nume) > 5 and length(prenume) < 4

select \*

from Angajat

where DataNastere<’ 07/08/1981’

SELECT DataNastere,Nume

FROM Angajat

Where DataNastere BETWEEN '07/08/1981' AND '09/08/1971';

SELECT Nume, Adresa

From Angajat

ORDER BY

(CASE

WHEN ADRESA='str.Pop,Nr. 3S'THEN Nume

ELSE Adresa

end);

SELECT Nume, nr\_telefon

From Client

ORDER BY

(CASE

WHEN nr\_telefon='0786039921'THEN Nume

ELSE nr\_telefon

end);

**Vederi**

create view vedere\_client as select Prenume, Nume

from client order by Prenume;

select \* from Vedere\_client;

create view vedere\_Eveniment as select Cost\_eveniment, Nr\_persoane

from evenimente order by Cost\_eveniment;

select \* from Vedere\_Eveniment;

create view vedere\_Rezervare as select Numar, Data\_rezervare, Ora

from rezervare order by Data\_rezervare;

select \* from Vedere\_Rezervare;