

2.4.1

```
create table Persoana
(CNP number(13) constraints pers_cnp_pk primary key,
 Nume varchar2(20) ,
 Prenume varchar2(30),
 Numar_fix varchar2(15),
 Numar_mobil1 varchar2(15),
 Numar_mobil2 varchar2(15))
```

2.4.2

```
create table Telefon
( CNP number(13) constraints telefon_cnp_fk references Persoana(CNP),
 Nr_telefon varchar2(15) ,
 Tip_telefon varchar2(5) constraint telefon_tip_tel_ck check (tip_telefon in('fix','mobil')) ,
 constraint tel_prim_key_pk primary key(CNP,Nr_telefon));
```

2.4.3

```
alter table Persoana
MODIFY(CNP CONSTRAINT pers_cnp_nn not null)
alter table Persoana
MODIFY(Nume CONSTRAINT pers_ume_nn not null)
alter table Persoana
MODIFY(Prenume CONSTRAINT pers_prenume_nn not null)
```

```
Alter table telefon
Add constraint telefon_nr_tel_ck check ((nr_telefon='00%') AND
(TO_NUMBER(SUBSTR(nr_telefon,3,2),'99') in (40,32,44,47,36)) and length(nr_telefon)=13);
```

```
insert into persoana
values ('6010210406677','Oros','Irina','0040264123456','99876332',' ')
```

```
update persoana
set Prenume='Maria'
where nume='%s'
delete from persoana
WHERE LOWER(Nume)||' '|| Prenume) = 'oros ioana';
```

8.3.1

```
create view Vedere
as
select s.nr_matr,s.numa,s.prenume,ex.fel_examen,ex.titlu_mat,ex.numa_p,n.nota
from student s inner join nota n on s.nr_matr=n.nr_matr inner join examen ex on ex.code=n.code
```

8.3.5

```
create view Bursieri
as
select s.nr_matr ,s.numa,s.prenume
from student s join nota n on (s.nr_matr=n.nr_matr) join examen e on (n.code=e.code) where
s.nr_matr in (select nr_matr from nota n1 join examen e1 on(e1.code=n1.code) group by
n1.nr_matr having avg(n1.nota)>8)
```