

Pop Ruxandra Maria grp 30226

- funcții de agregare

6.3.1.

```
select distinct s.nr_matr,s.numa,s.prenume,ex.titlu_mat,n.nota
from student s join nota n on(s.nr_matr=n.nr_matr) join examen ex on(n.code=ex.code)
where s.grupa='3251' and (s.nr_matr,n.nota) in (select distinct nr_matr,max(nota) from
nota group by nr_matr)
order by s.nr_matr
```

6.3.2.

```
SELECT distinct 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)
order by s.nr_matr
```

6.3.3

```
select a.localitate || ' '|| a.strada|| ' '|| a.numar adresa
,count(*) nr_studenti
from adresa a join student s on(a.coda=s.coda)
where a.fel='Camin'
group by a.localitate,a.strada,a.numar,a.coda
```

- interogări imbricate

5.6.6.

```
select distinct s.nr_matr,s.numa,s.prenume,ex.titlu_mat,n.nota
from student s join nota n on(s.nr_matr=n.nr_matr) join examen ex on(n.code=ex.code)
where s.grupa='3251' and (s.nr_matr,n.nota) in (select distinct nr_matr,max(nota) from
nota group by nr_matr)
order by s.nr_matr
```

5.6.8

```
select s.num, s.prenume, n.nota
from student s join nota n on (s.nr_matr=n.nr_matr) join examen ex on(ex.code=n.code)
where ex.titlu_mat=(select titlu_mat from student s1 join nota n1 on
(s1.nr_matr=n1.nr_matr) join examen ex1 on(ex1.code=n1.code) where
s1.num='Popescu' and s1.prenume='Mircea' and n1.nota=10)
```

- operatori „set” (pe mulțimi)

5.6.9

```
select nr_matr,num, prenume
from student Natural join nota natural join examen
where titlu_mat='Programarea Calculatoarelor'
and num_p='Ionescu'
union
select nr_matr,num, prenume
from student Natural join nota natural join examen
where titlu_mat='Programarea Calculatoarelor'
and num_p='Popescu'
```

5.6.10

```
select s.num, s.prenume
from student s join nota n on(s.nr_matr=n.nr_matr) join examen ex on(n.code=ex.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)
intersect
select s.num, s.prenume
from student s join adresa a on(s.coda=a.coda)
where a.fel='Camin'
```

5.6.11

```
select s.num, s.prenume
from student s join nota n on(s.nr_matr=n.nr_matr) join examen ex on(n.code=ex.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)
Except
select s.num, s.prenume
from student s join adresa a on(s.coda=a.coda)
where a.fel='Camin'
```