

5, 14, 24, 34

5) Sa se afiseze lista studentilor al caror nume se termina in "u"

```
select * from studenti where nume_student like '%u';
```

14) Aflati numele si prenumele studentilor, precum si cursurile promovate cu note mai mare de 8 la examen

```
select nume_student, prenume_student, disciplina
from studenti_reusita
join studenti on studenti.id_student = studenti_reusita.id_student
join discipline on discipline.id_disciplina =
studenti_reusita.id_disciplina
where tip_evaluare = 'Examen'
and nota > 8;
```

Prin subquery:

```
SELECT nume_student, prenume_student, disciplina
FROM (
    SELECT s.nume_student, s.prenume_student, d.disciplina,
    sr.tip_evaluare, sr.nota
    FROM studenti_reusita sr
    JOIN studenti s ON s.id_student = sr.id_student
    JOIN discipline d ON d.id_disciplina = sr.id_disciplina
) AS subquery
WHERE subquery.tip_evaluare = 'Examen' AND subquery.nota > 8;
```

24) Sa se afisase lista disciplinelor (Disciplina) predate de cel putin doi profesori

```
select disciplina from (
select disciplina, count(distinct id_profesor) as c
```

```

from studenti_reusita
join discipline d on d.id_disciplina = studenti_reusita.id_disciplina
group by disciplina, id_profesor) t
group by disciplina
having count(c) >= 2;

```

Prin join:

```

SELECT disciplina
FROM studenti_reusita sr
JOIN discipline d ON d.id_disciplina = sr.id_disciplina
GROUP BY disciplina
HAVING COUNT(DISTINCT sr.id_profesor) >= 2;

```

34) Găsiți numele și prenumele studenților, care nu au luat note de promovare (inclusiv note intermediare) la nicio disciplina.

```

select nume_student, prenume_student from
studenti
except
select distinct nume_student, prenume_student
from studenti_reusita
join studenti s on s.id_student = studenti_reusita.id_student
where nota <= 5;

```

Lab CASE pagina 172 si in sus

Expresia CASE are urmatoarea sintaxa generala:

```

CASE <expresie_intrare>
WHEN <expresie_comparare> THEN <expresie_rezultate>
[WHEN <expresie_comparare> THEN <expresie_rezultate> ... ]
[ELSE <expresie_rezultate_alternativ>]
END
_Structura alternativ__ă IF ...ELSE:_

```

```

DO $$
DECLARE
n1 INT;

```

```
n2 INT;  
n3 INT;  
mai_mare INT;  
BEGIN  
n1 := floor(random() * 60);  
n2 := floor(random() * 60);  
n3 := floor(random() * 60);  
  
mai_mare :=  
CASE  
WHEN n1 >= n2 AND n1 >= n3 THEN n1  
WHEN n2 >= n1 AND n2 >= n3 THEN n2  
WHEN n3 >= n1 AND n3 >= n2 THEN n3  
END;  
  
RAISE NOTICE 'n1 = %', n1;  
RAISE NOTICE 'n2 = %', n2;  
RAISE NOTICE 'n3 = %', n3;  
RAISE NOTICE 'Mai mare = %', mai_mare;  
  
END $$;
```