Pasecinic Nichita

FAF – 192

05.10.2020

**Databases Laboratory Work Nr.4**

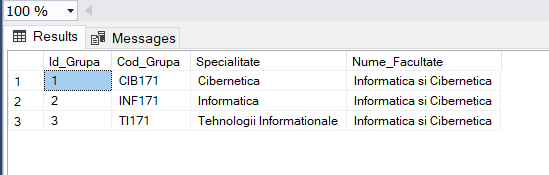
**Title: SELECT TRANSACT-SQL INSTRUCTION**

**Tasks:**

* Exercises 1 to 10
* Exercises 20, 21, 22
* Exercises 30,31,35

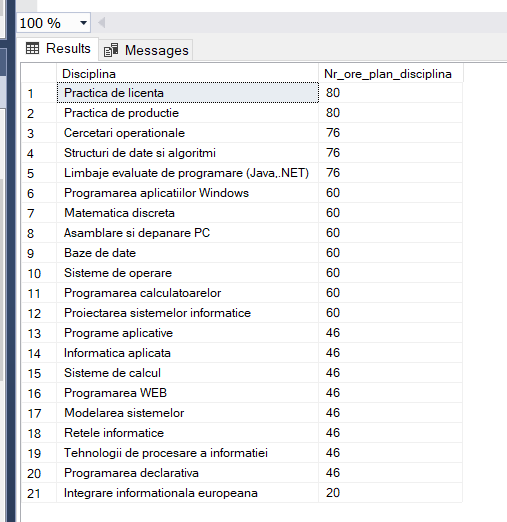
Chisinau 2020

1. SELECT \* FROM grupe;



1. SElECT Disciplina, Nr\_ore\_plan\_disciplina FROM discipline

ORDER BY Nr\_ore\_plan\_disciplina DESC;



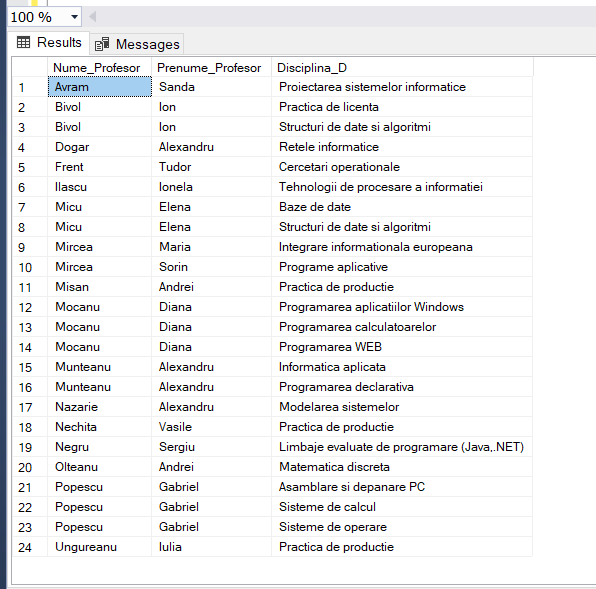
1. SElECT DISTINCT p.Nume\_Profesor, p.Prenume\_Profesor,

d.Disciplina AS Disciplina\_D

FROM profesori AS p, studenti\_reusita AS r, discipline AS d

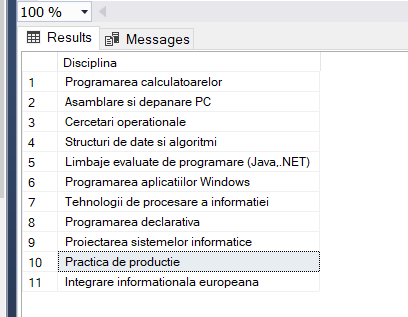
WHERE p.Id\_Profesor = r.Id\_Profesor AND r.Id\_Disciplina = d.Id\_Disciplina

ORDER BY p.Nume\_Profesor, p.Prenume\_Profesor;



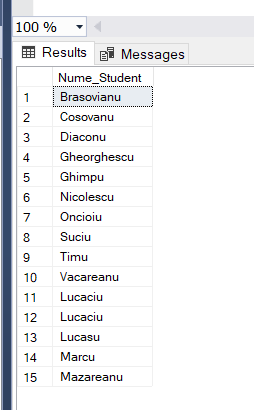
1. select Disciplina from discipline

where len(Disciplina) > 20;



1. select Nume\_Student from studenti

where Nume\_Student like '%u'

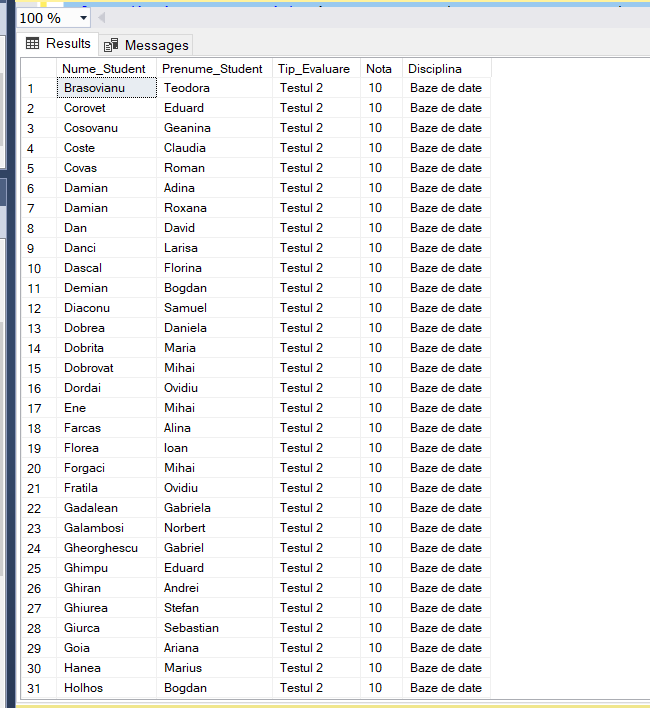


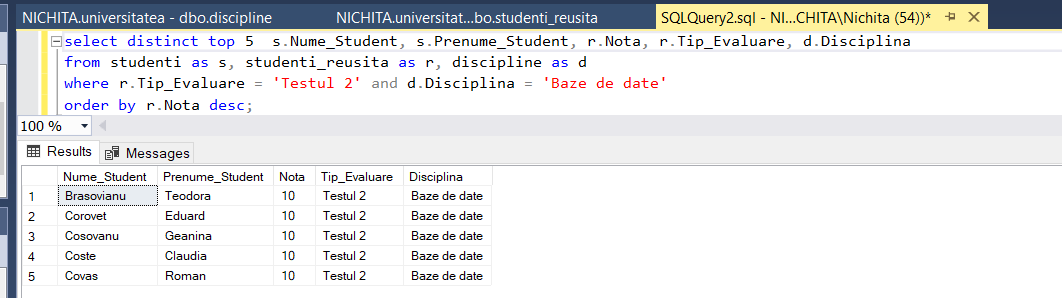
1. select distinct top 5 with ties s.Nume\_Student, s.Prenume\_Student, r.Tip\_Evaluare, r.Nota, d.Disciplina

from studenti as s, studenti\_reusita as r, discipline as d

where r.Tip\_Evaluare = 'Testul 2' and d.Disciplina = 'Baze de date'

order by r.Nota desc;

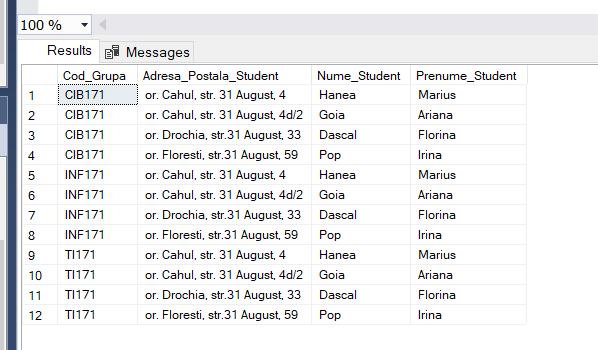




1. select distinct g.Cod\_Grupa, s.Adresa\_Postala\_Student, s.Nume\_Student, s.Prenume\_Student

from grupe as g, studenti\_reusita as r, studenti as s

where s.Adresa\_Postala\_Student like '%31 August%';



1. select distinct s.Id\_Student, s.Prenume\_Student, s.Nume\_Student

from studenti\_reusita as r, studenti as s

where r.Data\_Evaluare like '%2018%' and r.Tip\_Evaluare = 'Examen'

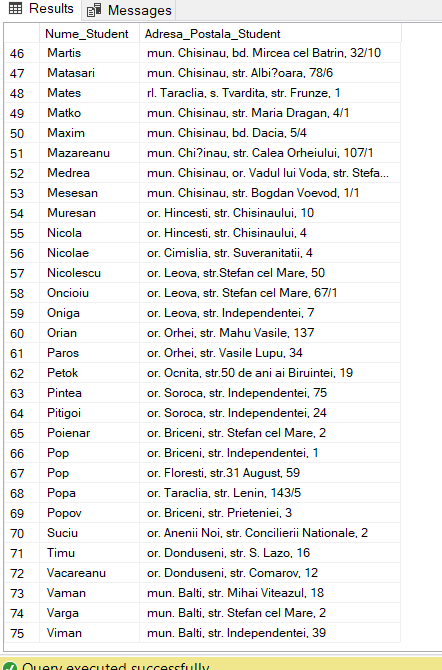
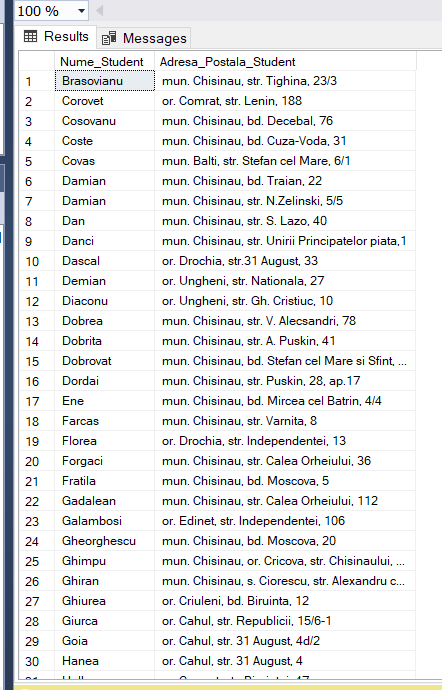
order by s.Id\_Student;



1. select distinct s.Nume\_Student, s.Adresa\_Postala\_Student

from studenti as s, studenti\_reusita as r

where r.Nota > 8 and r.Data\_Evaluare like '%2018%'



1. select distinct s.Nume\_Student, s.Prenume\_Student

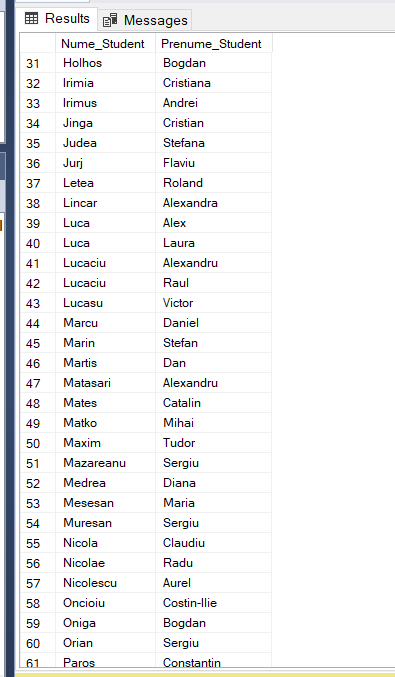
from studenti as s, studenti\_reusita as r, discipline as d

where

r.Nota < 8 and r.Nota > 4 and r.Data\_Evaluare like '%2018%'

and r.Tip\_Evaluare = 'Examen' and d.Disciplina = 'Baze de date'

and d.Id\_Disciplina = r.Id\_Disciplina



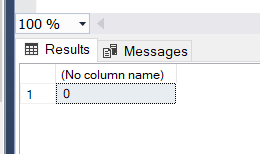
20. select distinct count(r.Id\_Student)

from studenti as s, studenti\_reusita as r, discipline as d

where

r.Nota > 4 and r.Data\_Evaluare like '%2018%'

and d.Disciplina = 'Baze de date' and r.Tip\_Evaluare = 'Testul 2'

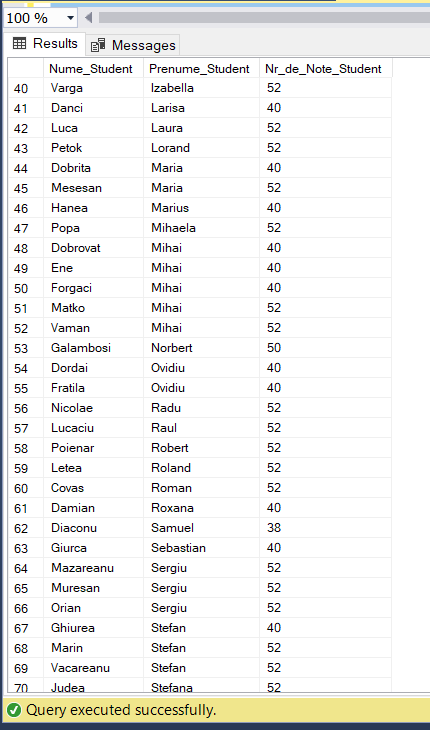
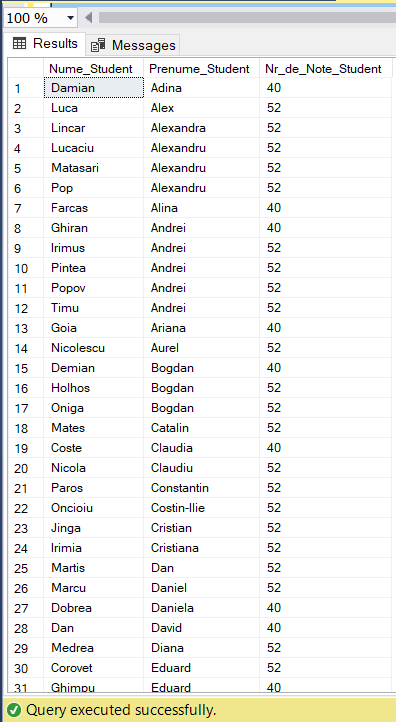


21. select s.Nume\_Student, s.Prenume\_Student, count(r.Nota) as Nr\_de\_Note\_Student

from studenti\_reusita as r, studenti as s

where r.Id\_Student = s.Id\_Student

group by s.Nume\_Student, s.Prenume\_Student

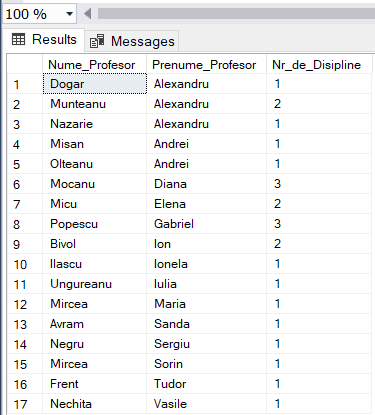


22. select p.Nume\_Profesor, p.Prenume\_Profesor, count( distinct r.Id\_Disciplina) as Nr\_de\_Disipline

from profesori as p, studenti\_reusita as r

where r.Id\_Profesor = p.Id\_Profesor

group by p.Nume\_Profesor, p.Prenume\_Profesor



30. select count(r.Id\_Student) as Nr\_de\_Studenti,

avg(cast(r.Nota as Float)) as Media\_la\_Reusita\_Curenta,

d.Disciplina

from discipline as d, studenti\_reusita as r, studenti as s

where d.Disciplina = 'Baze de date' and

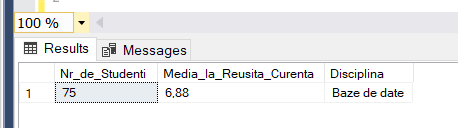
d.Id\_Disciplina = r.Id\_Disciplina and

s.Id\_Student = r.Id\_Student and

r.Tip\_Evaluare = 'Reusita Curenta' and

r.Data\_Evaluare like '%2018%'

group by d.Disciplina



31. select distinct s.Nume\_Student, s.Prenume\_Student, count(r.Nota) as Nr\_de\_Respingeri, d.Disciplina

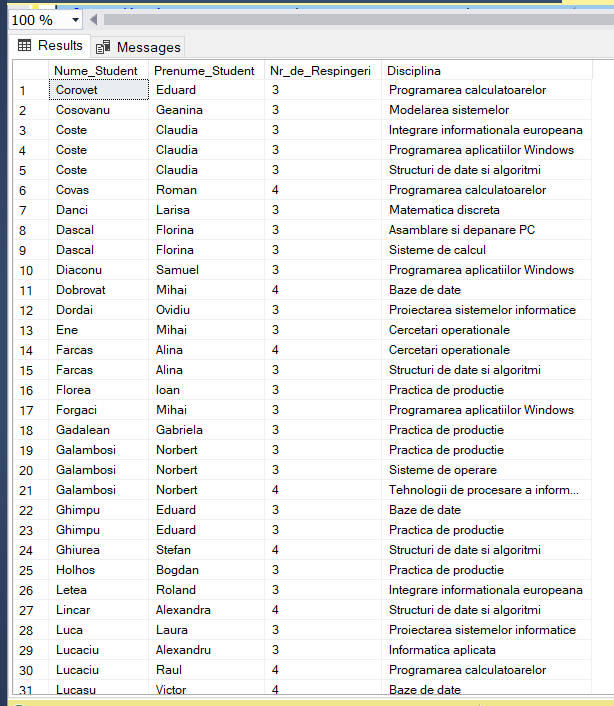
from discipline as d, studenti\_reusita as r, studenti as s

where r.Nota < 5 and

d.Id\_Disciplina = r.Id\_Disciplina and

s.Id\_Student = r.Id\_Student

group by s.Nume\_Student, s.Prenume\_Student, d.Disciplina having count(r.Nota) > 2



35. select d.Id\_Disciplina, d.Disciplina, avg(cast(r.Nota as float)) as Media\_pe\_Disciplina

from discipline as d, studenti\_reusita as r

where d.Id\_Disciplina = r.Id\_Disciplina

group by d.Id\_Disciplina, d.Disciplina having avg(cast(r.Nota as float)) > 7

