Databases Laboratory Work Nr.4

Group:FAF-192

Student: Puscas Dumitru

Title: Transact-SQL Instruction

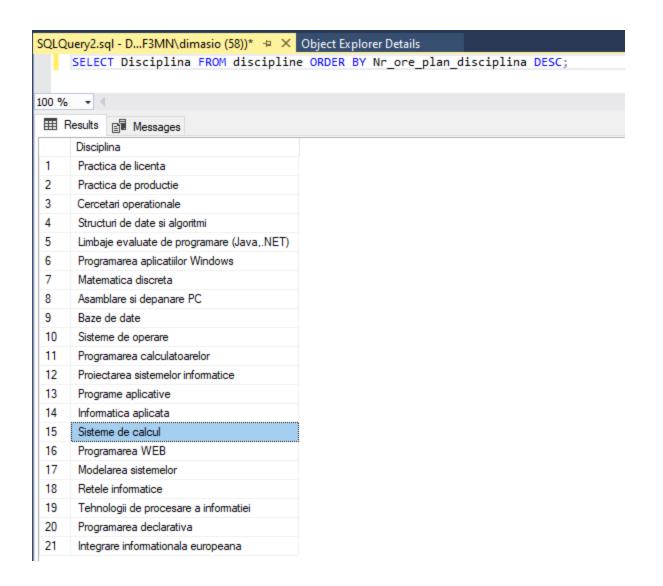
Prerequisites: computer, connection to the network, book: Microsoft SQL Server 2017 by Vitalie Cotelea and Marian Cotelea, Soft: Microsoft SQL Management Server.

Tasks:

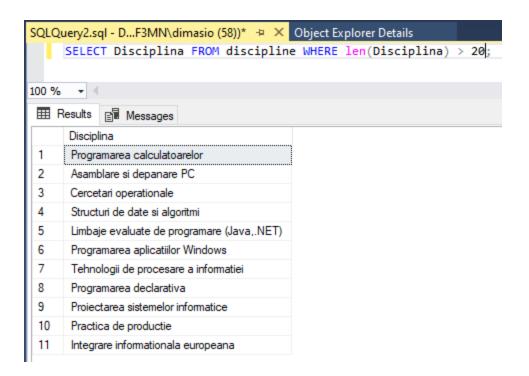
2,4,5, 13,17,18, 26,27,29

Implementation:

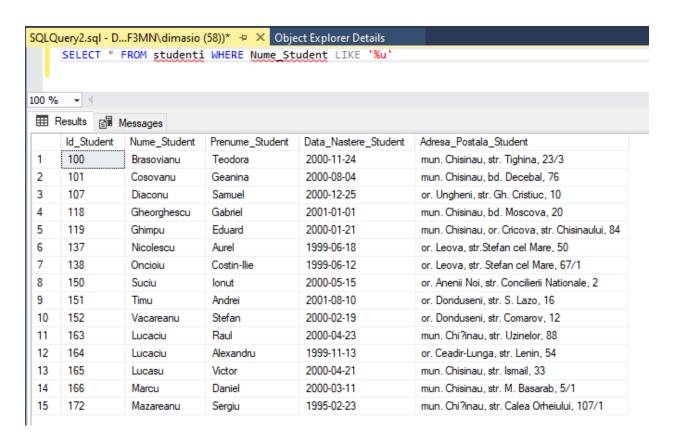
2. Sa se obtina lista disciplinelor in ordine descrescatoare a numarului de ore.



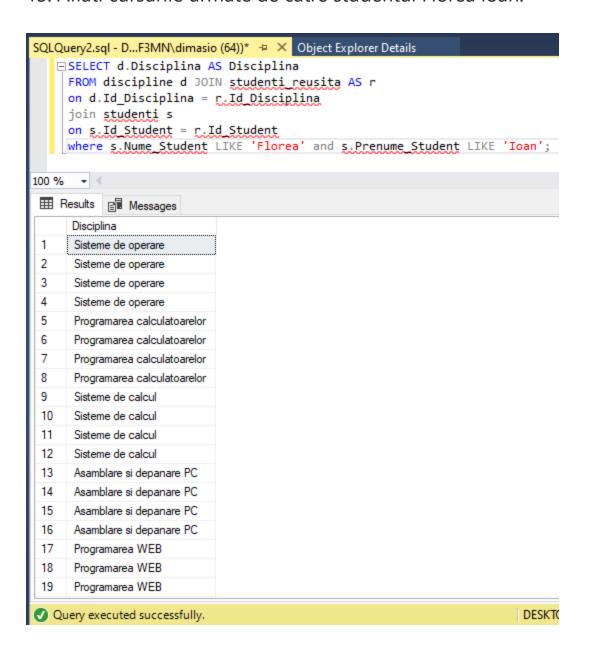
4. Afisati care dintre discipline au denumirea formata din mai mult de 20 de caractere?



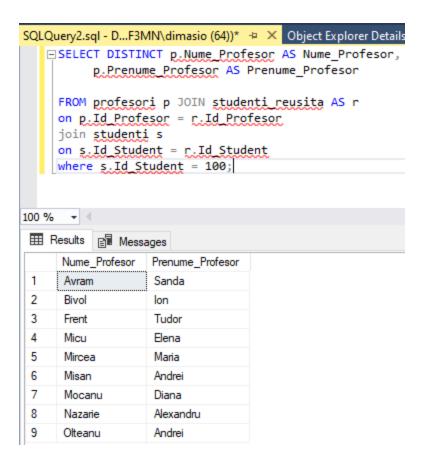
5. Sa se afiseze lista studentilor al caror nume se termina in "u"



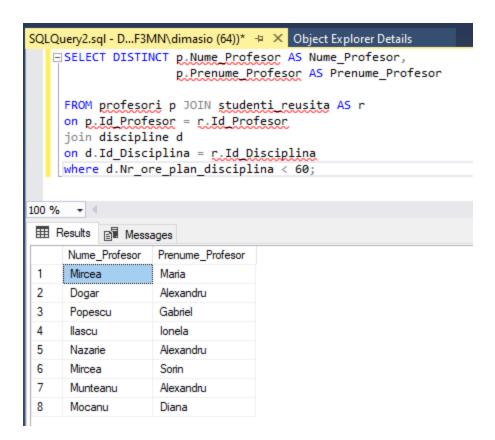
13. Aflati cursurile urmate de catre studentul Florea Ioan.



17. Afisati numele si pronumele profesorilor, care au predat cel putin o disciplina studentului cu identificatorul 100.



18. Afisati numele si prenumele profesorilor, care au predat doar discipline cu o incarcare orara mai mica de 60 de ore.



27. Afisati studentii (identificatorii) care au sustinut (evaluare examen) la toate disciplinele predate de prof. lon.

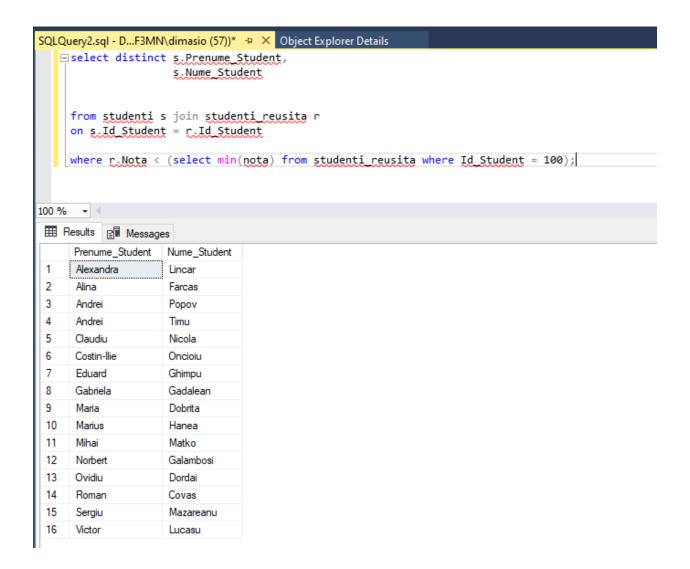
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SQLQuery2.sql - D...F3MN\dimasio (57))* → × Object Explorer Details

    □ select p.Prenume Profesor as Prenume Profesor,

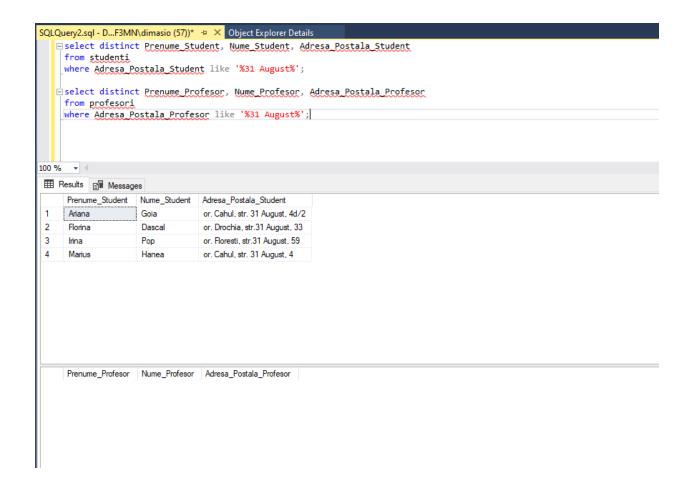
               s.Id Student as Id Student,
               r.Tip Evaluare,
               r.Nota
      from studenti s join studenti reusita r
      on s.Id Student = r.Id Student
      join profesori p
      on p.Id Profesor = r.Id Profesor
      where p.Prenume Profesor like 'Ion'
             and r.Nota > 4
             and r.Tip Evaluare like 'Examen';
100 % - <
 Results 📳 Messages
      Prenume_Profesor
                        Id_Student
                                   Tip_Evaluare
                                                 Nota
                        100
                                                 10
 1
                                    Examen
 2
       lon
                        101
                                    Examen
                                                 5
 3
                                                 5
                        102
                                    Examen
       lon
 4
                        103
                                                 7
       lon
                                    Examen
 5
                                    Examen
                                                 7
       lon
                        104
 6
                        105
                                                 6
                                    Examen
       lon
 7
                                                 8
                        106
                                    Examen
       lon
                                                 7
 8
                        107
       lon
                                    Examen
 9
                        108
                                    Examen
                                                 6
       lon
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 10
                        109
                                    Examen
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 11
                        110
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       lon
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                                                 5
 12
                        111
                                    Examen
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                        112
                                    Examen
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                                                 8
 14
       lon
                        113
                                    Examen
                                                 7
 15
                        114
                                    Examen
       lon
 16
                        115
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       lon
                                    Examen
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 17
                        116
                                    Examen
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       lon
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 21
                        120
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 22
                        121
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 23
                        122
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                                    Examen
       lon
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       lon
                        123
                                    Examen
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       lon
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                        126
                                                 7
       lon
                                    Examen
 29
                        127
                                                 10
                                    Examen
       lon
 30
                        127
                                    Examen
                                                 5
       lon
 21
                        122
                                    Evamen
                                                 q
       lon
```

Query executed successfully.

29. Determinati numele si prenumele studentilor, care au sustinut examene cu o nota mai mica decat oricare dintre notele studentilor cu identificatorul 100.



26. Gasiti numele, prenumele si adresele studentilor si ale profesorilor care locuiesc pe strada 31 August.



Conclusion: In this work I studied how to use the SQL Select Transact Instruction to perform different operations of diverse complexities and apply them effectively whenever needed.