

TECHNICAL UNIVERSITY OF MOLDOVA

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DB Laboratory 8

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General purpose:

Learn about SQL Query Language

Tasks:

- Answer Questions at the end of Chapter 8;
- Solve ex. 1 8 at the end of Chapter 8.

Task Realization:

In Figure 1 we can see the result of old Querry from Lab 4 but now i inserted the result in a view.

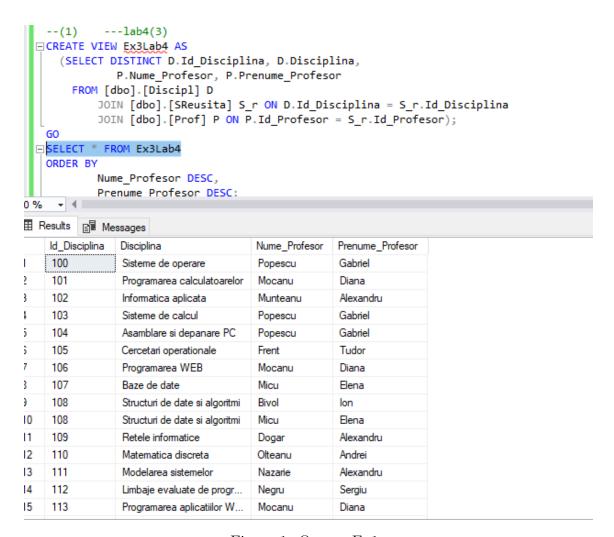


Figure 1: Querry Ex1a

In Figure 1 we can see the result of another old Querry from Lab 4 inserted in a view. Now it is created not with script.

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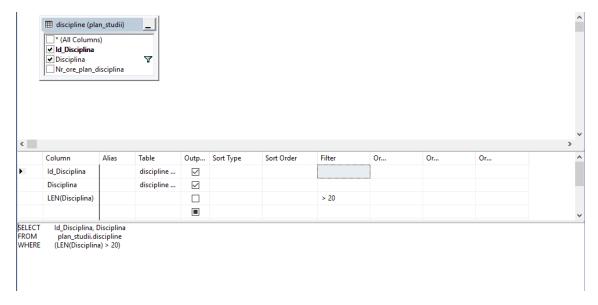


Figure 2: Querry Ex1

In figure 3 I tried to modify a view but i gained an error because i used SCHEMABIND-ING and WITH CHECK OPTION. So it blocks any changes in initial tables.

```
--(3) -(4)
 Use universitatea
 OROP VIEW IF EXISTS [dbo].[Ex4LAb4];
 CREATE VIEW [dbo].[Ex4LAb4] WITH SCHEMABINDING AS
 SELECT Disciplina
    FROM [plan_studii].discipline
    WHERE LEN(Disciplina) > 20
    WITH CHECK OPTION
Go
SELECT *
FROM [dbo].[Ex4LAb4];
ALTER TABLE [plan_studii].Disciplina
    DROP COLUMN discipline;
Go
UPDATE [dbo].[Ex4LAb4]
    SET Disciplina = 'Deprecated'
WHERE Disciplina LIKE 'A%';
```

Figure 3: Query ex 3 and 4

In figure 4 and 5 i used old Querry from lab 4 and rewrote them In CTE form

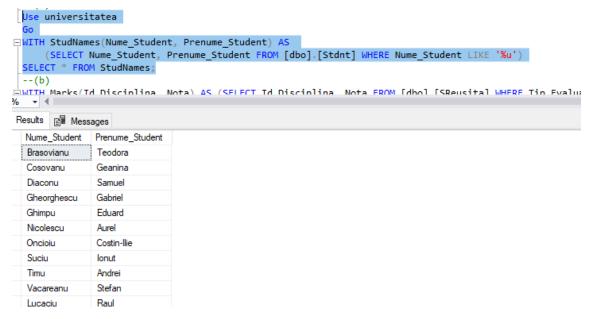


Figure 4: Query ex 5a

Figure 5: Query ex 5b

In figure 6 we can observe recursive traversing of the ordered graph

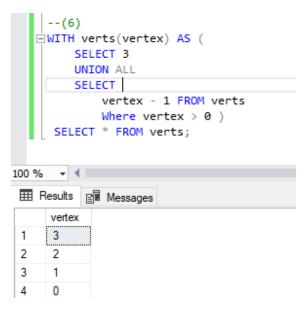


Figure 6: Query ex 6

Conclusion

During This lab work i find out how to make views and why do i need them in real database. [1]

References

- [1] SQL Server Management Studio 2017, Tutorials for Lab 8
- [2] MSSQL Official Documentation https://docs.microsoft.com/en-us/sql/t-sql/language-elements/try-catch-transact-sql?view=sql-server-2017