Databases Laboratory Work Nr.3

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FAF – 192

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Title: CREATION AND MODIFICATION OF TABLES IN SQL SERVER MANAGEMENT STUDIO

Prerequisites:

- PC with MySQL tools installed
- Lab book with steps
- Basic knowledge of MSQL Server Management Studio 2018

Tasks:

- Which of the numbers below can be inserted in field DECIMAL(4,1)?
  16,2
  116,2
  16,21
  1116,2
  1115,21
- Col1 is of type INT and Col2 is of type DECIMAL(2,1)

Tabel	Col1	Col2	Col3
	1	1.0	
	2	1.0	

Of which type must be Col3 to hold the result for Col1*Col2:
In this specific case, as the Col2 numbers are decimal with a zero after point, to hold the result of the operation, Col3 can be either of type INT, or in order to display the number with a decimal it can be of type DECIMAL(1,1).

- Create a database "**universitatea**" with 2 tables: grupe, discipline and complete required columns.

NICHITA.universitatea - dbo.grupe × NICHITA.universitatea - dbo.discipline

Id_Grupa	Cod_Grupa	Specialitate	Nume_Facu...
1	CIB171	Cibernetica	Informatica ...
2	INF171	Informatica	Informatica ...
3	TI171	Tehnologii I...	Informatica ...
* NULL	NULL	NULL	NULL

NICHITA.universitatea - dbo.discipline ×

Id_Disciplina	Disiplina	Nr_ore_pla...
100	Sisteme de opereare	60
101	Programarea calculatoarelor	60
102	Informatica aplicata	46
103	Sisteme de calcul	46
104	Asamblare si depanare pC	60
105	Cercetari operationale	76
106	Programarea WEB	46
107	Baze de date	60
108	Structuri de date si algoritmi	76
109	Retele informatice	46
110	Matematica discreta	60
111	Modelarea sistemelor	46
112	Limbaje evaluate de programare (Jav...	76
113	Programarea aplicatiilor Windows	60
114	Tehnologii de procesare a informatiei	46
115	Programarea declarativa	46
116	Proiectarea sistemelor informatice	60
117	Practica de licenta	80
118	Practica de productie	80
119	Integrare informationala europeana	20
120	Programe aplicative	46
* NULL	NULL	NULL

Conclusions:

       After performing the laboratory work no. 3, I learned how to add new tables to the data base and how to manage them. I have edited some proprietes from the tables in order to correspond to task's requirements. As well I got familiarize with SQL data types and special data types.