

# Databases Laboratory Work Nr 3

## Isac Artur

### Title:

CREAREA SI MODIFICAREA TABELELOR IN SQL SERVER MANAGEMENT STUDIO

### Prerequisites:

Computer, book

### Objectives:

Create our own tables in database and introduce some data

### Tasks:

1. Care din numerele prezentate mai jos pot fi introduse intr-un camp de tipul DECIMAL(4, 1)?  
a) 16,2; b) 116,2; c) 16,21; d) 1116,2; e) 1116,21.
2. Fie [Col1] din tabelul de mai jos este de tip INT, ~i [Col2] este de tip DECIMAL (2.1) I Tabet Coll Col2 . Col3 I 1.0 2 1.0 Ce tip de date trebuie sa fie [Col3] pentru a pastra rezultatul urmatoarei expresii Coll \*Col2.
3. Creati o baza de date numita universitatea cu proprietati implicite. in cadrul acestei haze de date, creati 2 tabele (grupe, discipline), scheme le carora sunt definite in sectiunea 3 .3 a capitolului.
4. Inserati in tabelele respective ale bazei de date universitatea urmatoarele inregistrari:

## Implementation:

- 1) DECIMAL(4,1) means it can hold up to 4 digits and only 1 digit after the decimal point, so the answer are: a) b)
- 2) It has to be DECIMAL(2,1), because Col3 will contain 1.0 and 2.0
- 3) I create new database univesitatea with defined parameters

**New Database**

Select a page

- General
- Options
- Filegroups

Script Help

Database name: univesitatea

Owner: <default>

☒ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize	Pa
univesitatea	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:
univesitate...	LOG	Not Applicable	8	By 64 MB, Unlimited	C:
grupe	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:
discipline	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:

Connection

Server: DESKTOP-HTN4CSL

Connection: DESKTOP-HTN4CSL\foxfu

[View connection properties](#)

Progress

Ready

Add Remove

OK Cancel

After this I create two tables (grupe and discipline)

DESKTOP-HTN4CSL.u...tea - dbo.Table_1* ➡ ✕			
	Column Name	Data Type	Allow Nulls
	Id_Grupa	smallint	<input type="checkbox"/>
	Cod_Grupa	char(6)	<input type="checkbox"/>
	Specialiatea	varchar(255)	<input checked="" type="checkbox"/>
▶	Nume_Facultate	varchar(255)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

DESKTOP-HTN4CSL.u...tea - dbo.Table_1* ➡ ✕				DESKTOP-HTN4CSL.u...			
	Column Name	Data Type	Allow Nulls				
	Id_Disciplin	int	<input type="checkbox"/>				
	Disciplina	varchar(255)	<input type="checkbox"/>				
▶	Nr_ore_plan_disciplin	smallint	<input checked="" type="checkbox"/>				
			<input type="checkbox"/>				

4) Now I enter all necessary data for this tables!

	Id_Disciplin	Disciplina	Nr_ore_plan_di...
	100	Sisteme de operare	NULL
	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	Rețele informatice	46
	110	Matematica discreta	60
	111	Modelarea sistemelor	46
	112	Limbaje evaluate de programare (Java,.NET)	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

	Id_Grupa	Cod_Grupa	Specialiatea	Nume_Facultate
	1	CIB171	Cibernetica	Informatica si Cibernetica
	2	INF171	Infomatica	Informatica si Cibernetica
	3	TI171	Techonologii Informatiionale	Informatica si Cibernetica
▶*	NULL	NULL	NULL	NULL