Databases Laboratory Work Nr 3

Creating and Modificating Tables

Prerequisites: MS SQL, SSMS/Azure Data Studio/e.t.c.

Objectives: To create a table and modify it.

Tasks:

1) Answer the question:

1. Care din numerele prezentate mai jos pot fi introduse într-un câmp de tipul DECIMAL(4,1)?

a) 16,2; b) 116,2; c) 16,21; d) 1116,2; e) 1116,21.

2) Answer the question:

2. Fie [Col1] din tabelul de mai jos este de tip INT, și [Col2] este de tip DECIMAL (2.1)

Tabel	Col1	Col2.	Col3
11	I	1.0	
	2	1.0	

- 3)Create database university with tables groups, disciplines.
- 4)Insert the given data.

Implementation:

1)Decimal(4, 1) - four free spaces, one of them goint for float. So, answers are:

a)16.2

b)116,2

2) Answer is: Col3 - data type on the out is decimal.

1.0

2.0

3) I wrote a query to create a database named university (it's configurations are similar to previous work configuration)

- 4)I wrote another query to:
 - 1) Create Tables

- 2) Insert Into it Values
- 3) Select and show it's values.

	group_id	group_code	specialty	faculty
1	1	CIB171	Cibernetica	Info
2	2	INF171	Informatica	Info
3	3	TI171	Tehnologii Informationale	Info
	discipline_i	id discipline	number_of_hours	
1	100	Sisteme de operare	60	
2	101	Programarea Calculatoarelo	or 60	
3	102	Informatica Aplicata	46	
4	103	Sisteme de Calcul	46	
5	104	Asamblare si Depanare PC	60	
6	105	Cercetari Operationale	76	
7	106	Programarea WEB	46	
8	107	Baze de Date	60	
9	108	Structuri de Date si Algo	r 76	
10	109	Retele Informatice	46	
11	110	Matematica Discreta	60	
12	111	Modelarea Sistemelor	46	
13	112	Limbaje Evaluate de Progra	a 76	
14	113	Programarea Aplicatiilor N	vl 60	
15	114	Tehnologii de Procesare a	46	
16	115	Programarea Declarativa	46	
17	116	Proiectarea Sistemelor In	f 60	
18	117	Practica de Licenta	80	
19	118	Practica de Productie	80	
20	119	Integrare Informationala I	E 20	
21	120	Programe Aplicative	46	

Conclusion: After doing this laboratory work i learnt how to work with tables, how Select values and Insert values into them. I also know about many different data types