

Course: Database Theory

Topic: Basics of Interaction with MySQL Server

Description

You need to create a database named *Academy* which will contain information about the Academy's staff and inner workings.

Teachers, who lecture at the Academy, are presented in the *Teachers* table, which contains basic information, such as: name, surname, salary, and employment date.

Also, the database contains information about groups stored in the *Groups* table. Data on faculties and departments are provided in the tables *Faculties* and *Departments*, respectively.

Таблицы

Below is the detailed description of the structure of each table.

1. Groups

- **Identifier (Id). Unique identifier of the group.**
 - ▷ Data type is int.
 - ▷ Auto increment.
 - ▷ Cannot contain null values.
 - ▷ Primary key.
- **Name. Group name.**
 - ▷ Data type is nvarchar(10).
 - ▷ Cannot contain null values.
 - ▷ Cannot be empty.
 - ▷ Must be unique.

- **Rating. Group rating.**
 - ▷ Data type is int.
 - ▷ Cannot contain null values.
 - ▷ Must be in the range from 0 to 5.
- **Year. Year in which the group studies.**
 - ▷ Data type is int.
 - ▷ Cannot contain null values.
 - ▷ Should be in the range from 1 to 5.

2. Chairs (Departments)

- **Identifier (Id). Unique identifier of the department.**
 - ▷ Data type is int.
 - ▷ Auto increment.
 - ▷ Cannot contain null values.
 - ▷ Primary key.
- **Financing. Financing fund of the department.**
 - ▷ Data type is money.
 - ▷ Cannot contain null values.
 - ▷ Cannot be less than 0.
 - ▷ Default value is 0.
- **Name. Department name.**
 - ▷ Data type is nvarchar(100).
 - ▷ Cannot contain null values.
 - ▷ Cannot be empty.
 - ▷ Must be unique.

3. Faculties

- **Identifier (Id). Unique identifier of the faculty.**
 - ▷ Data type is int.
 - ▷ Auto increment.
 - ▷ Cannot contain null values.
 - ▷ Primary key.
- **Name. Faculty name.**
 - ▷ Data type is nvarchar(100).
 - ▷ Cannot contain null values.
 - ▷ Cannot be empty.
 - ▷ Must be unique.

4. Teachers

- **Identifier (Id). Unique identifier of the teacher.**
 - ▷ Data type is int.
 - ▷ Auto increment.
 - ▷ Cannot contain null values.
 - ▷ Primary key.
- **Employment date (EmploymentDate). Date of employment.**
 - ▷ Data type is date.
 - ▷ Cannot contain null values.
 - ▷ Cannot be less than 01.01.1990.
- **Name. Teacher's Name**
 - ▷ Data type is nvarchar(max).
 - ▷ Cannot contain null values.
 - ▷ Cannot be empty.

- **Premium. Teacher's premium.**
 - ▷ Data type is money.
 - ▷ Cannot contain null values.
 - ▷ Cannot be less than 0.
 - ▷ Default value is 0.
- **Wage rate (Salary). Teacher's wage rate.**
 - ▷ Data type is money.
 - ▷ Cannot contain null values.
 - ▷ Cannot be less than or equal to 0.
- **Surname. Teacher's surname.**
 - ▷ Data type is nvarchar(max).
 - ▷ Cannot contain null values.
 - ▷ Cannot be empty.