ПРИЛОЖЕНИЕ Г. СКРИПТ БАЗЫ ДАННЫХ

АННОТАЦИЯ

В данном программном документе приведён скрипт базы данных для WEB-портала «Система автоматизации учебного отдела».

В разделе «Скрипт базы данных» указано наименование скрипта, область применения скрипта, словарь данных базы данных и скрипт базы данных.

### СОДЕРЖАНИЕ

* + - 1. [СКРИПТ БАЗЫ ДАННЫХ 3](#_bookmark72)
         1. [Наименование скрипта 3](#_bookmark73)
         2. [Область применения скрипта 3](#_bookmark74)
         3. [Словарь данных базы данных 3](#_bookmark75)
         4. [Скрипт 8](#_bookmark76)

# 1. СКРИПТ БАЗЫ ДАННЫХ

# 1.1. Наименование скрипта

Наименование – «MPTAuto.sql».

# 1.2. Область применения скрипта

Скрипт предназначен для WEB-приложения «Система автоматизации работы учебного отдела». Скрипт базы данных – это SQL инструкция, с помощью которой создается объект, сохраненный в текстовом файле.

1.3. Словарь данных базы данных

В Таблице 1 представлен словарь данных для базы данных, с которой взаимодействует разработанное программное решение.

Таблица - Словарь данных базы данных

| Ключ | Наименование | Тип данных | Обязательность заполнения | Назначение |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |
| User | | | | |
| PK | id | serial | Not null | Уникальный идентификатор |
|  | Name | varchar(100) | Not null | Имя |
|  | Patronymic | varchar(100) | Not null | Отчество |
|  | Date\_Of\_Birth | varchar(100) | Not null | Дата рождения |
|  | Email | varchar(100) | Not null | Электронная почта |
| FK | Id\_Role | bigint(20) | Not null | Идентификатор роли |
| FK | Id\_Group | bigint(20) | Not null | Связь с группой |
| FK | Student\_Id | bigint(6) | Not null | Студенческий билет |
| FK | Id\_Subject | bigint(20) | Not null | Связь с дисциплиной |
|  | Surname | varchar(100) | Not null | Фамилия |
|  | Group\_Number | varchar(100) | Not null | Номер группы |
|  | Subject\_Title | varchar(100) | Not null | Наименование дисциплины |
|  | Password | varchar(100) | Not null | Отчество |
| Role | | | | |
| PK | id | serial | Not null | Уникальный идентификатор |
|  | Name\_Role | varchar(50) | Not null | Наименование должности |
| Group | | | | |
| PK | id | serial | Not null | Уникальный идентификатор |
|  | Number\_Group | varchar(50) | Not null | Номер группы |
|  | Academic\_Year | varchar(50) | Not null | Учебный год |
|  | Course | bigint(20) | Not null | Курс |
| Mark | | | | |
| PK | id | serial | Not null | Уникальный идентификатор |
|  | Date | varchar(50) | Not null | Дата оценки |
| FK | Id\_User | bigint(20) | Not null | Связь со студентом |
| FK | Id\_Subject | bigint(20) | Not null | Связь с предметом |
|  | Value | varchar(50) | Not null | Значение оценки |
| Subject | | | | |
| PK | id | serial | Not null | Уникальный идентификатор |
|  | Name\_Subject | varchar(50) | Not null | Наименование дисциплины |
| Bank Details | | | | |
| PK | id | int | Not null | Уникальный идентификатор |
|  | AccountNumber | nvarchar(max) | Not null | Номер счета |
|  | CorrespondentAccount | nvarchar(max) | Not null | Корреспондентский счет |
|  | BankTIN | int | Not null | ИНН банка |
|  | BankTRRC | int | Not null | ТРРЦ банка |
|  | BankBIC | int | Not null | БИК банка |
|  | SWIFTCode | nvarchar(max) | Not null | SWIFT-код |
|  | CopyBankDetails | nvarchar(max) | Not null | Копия банковских реквизитов |
| FK | PersonalInfoId | int | Not null | Идентификатор личной информации |
| Competence | | | | |
| PK | id | int | Not null | Уникальный идентификатор |
|  | Name | nvarchar(max) | Not null | Название |
|  | MainExpertId | int | Not null | Идентификатор основного эксперта |
|  | MainExpertFullName | nvarchar(max) | Not null | Полное имя основного эксперта |
|  | TechExpertId | int | Not null | Идентификатор технического эксперта |
|  | TechExpertFullName | nvarchar(max) | Not null | Полное имя технического эксперта |
|  | Active | bit | Not null | Активный |
| DaySchedule | | | | |
|  | id | int | Not null | Идентификатор |
|  | ScheduleId | int | Not null | Идентификатор расписания |
|  | DayOfWeek | nvarchar(max) | Not null | День недели |
|  | LessonOneName | nvarchar(max) | Not null | Название первого урока |
|  | LessonTwoName | nvarchar(max) | Not null | Название второго урока |
|  | LessonThreeName | nvarchar(max) | Not null | Название третьего урока |
|  | LessonFourName | nvarchar(max) | Not null | Название четвертого урока |
|  | LessonFiveName | nvarchar(max) | Not null | Название пятого урока |
| DemoExam | | | | |
|  | id | int | Not null | Идентификатор |
|  | CompetenceId | int | Not null | Идентификатор компетенции |
|  | Competence | nvarchar(max) | Not null | Компетенция |
|  | ExamStatus | bit | Not null | Статус экзамена |
|  | Address | nvarchar(max) | Not null | Адрес |
|  | MainExpertStatus | nvarchar(max) | Not null | Статус основного эксперта |
|  | MainExpertId | int | Not null | Идентификатор основного эксперта |
|  | MainExpertFullName | nvarchar(max) | Not null | Полное имя основного эксперта |
|  | DayC\_1 | datetime2(7) | Not null | День C\_1 |
|  | StartDate | datetime2(7) | Not null | Дата начала |
|  | EndDate | datetime2(7) | Not null | Дата окончания |
|  | Active | Active (bit) | Not null | Активный |
|  | Type | nvarchar(max) | Not null | Тип |
| Document | | | | |
| PK | id | int | Not null | Идентификатор |
|  | Name | nvarchar(max) | Not null | Название |
|  | Format | nvarchar(max) | Not null | Формат |
|  | UserFullName | nvarchar(max) | Not null | Полное имя пользователя |
| FK | UserId | int | Not null | Идентификатор пользователя |
| GEKExam | | | | |
| PK | id | int | Not null | Идентификатор |
|  | Number | nvarchar(max) | Not null | Номер |
|  | SpecialityId | int | Not null | Идентификатор специальности |
|  | SpecialityName | nvarchar(max) | Not null | Название специальности |
|  | Qualification | nvarchar(max) | Not null | Квалификация |
|  | Address | nvarchar(max) | Not null | Адрес |
|  | GekChairmanId | int | Not null | Идентификатор председателя ГЭК |
|  | GekChairmanFullName | nvarchar(max) | Not null | Полное имя председателя ГЭК |
|  | GekExamDate | datetime2(7) | Not null | Дата экзамена ГЭК |
|  | Active | bit | Not null | Активный |
|  | Type | nvarchar(max) | Not null | Тип |
| Group | | | | |
| PK | id | int | Not null | Уникальный идентификатор |
|  | AcademicYear | nvarchar(9) | Not null | Номер группы |
|  | Number | nvarchar(10) | Not null | Учебный год |
|  | Course | int | Not null | Курс |
|  | CompetenceName | nvarchar(max) | Not null | Название компетенции |
|  | PMExamId | int | Not null | Идентификатор экзамена ПМ |
|  | DemoExamId | int | Not null | Идентификатор демонстрационного экзамена |
|  | GEKExamId | int | Not null | Идентификатор экзамена ГЭК |
|  | Active | bit | Not null | Активный |
| FK | CompetenceId | int | Not null | Идентификатор компетенции |
| FK | ScheduleId | int | Not null | Идентификатор расписания |

# 1.3. Скрипт

USE [master]

GO

/\*\*\*\*\*\* Object: Database [MptDatabase] Script Date: 31.05.2023 22:13:25 \*\*\*\*\*\*/

CREATE DATABASE [MptDatabase]

CONTAINMENT = NONE

ON PRIMARY

( NAME = N'MptDatabase', FILENAME = N'E:\Program Files\Microsoft SQL Server\MSSQL16.MSSQLSERVER\MSSQL\DATA\MptDatabase.mdf' , SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )

LOG ON

( NAME = N'MptDatabase\_log', FILENAME = N'E:\Program Files\Microsoft SQL Server\MSSQL16.MSSQLSERVER\MSSQL\DATA\MptDatabase\_log.ldf' , SIZE = 8192KB , MAXSIZE = 2048GB , FILEGROWTH = 65536KB )

WITH CATALOG\_COLLATION = DATABASE\_DEFAULT, LEDGER = OFF

GO

ALTER DATABASE [MptDatabase] SET COMPATIBILITY\_LEVEL = 160

GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))

begin

EXEC [MptDatabase].[dbo].[sp\_fulltext\_database] @action = 'enable'

end

GO

ALTER DATABASE [MptDatabase] SET ANSI\_NULL\_DEFAULT OFF

GO

ALTER DATABASE [MptDatabase] SET ANSI\_NULLS OFF

GO

ALTER DATABASE [MptDatabase] SET ANSI\_PADDING OFF

GO

ALTER DATABASE [MptDatabase] SET ANSI\_WARNINGS OFF

GO

ALTER DATABASE [MptDatabase] SET ARITHABORT OFF

GO

ALTER DATABASE [MptDatabase] SET AUTO\_CLOSE ON

GO

ALTER DATABASE [MptDatabase] SET AUTO\_SHRINK OFF

GO

ALTER DATABASE [MptDatabase] SET AUTO\_UPDATE\_STATISTICS ON

GO

ALTER DATABASE [MptDatabase] SET CURSOR\_CLOSE\_ON\_COMMIT OFF

GO

ALTER DATABASE [MptDatabase] SET CURSOR\_DEFAULT GLOBAL

GO

ALTER DATABASE [MptDatabase] SET CONCAT\_NULL\_YIELDS\_NULL OFF

GO

ALTER DATABASE [MptDatabase] SET NUMERIC\_ROUNDABORT OFF

GO

ALTER DATABASE [MptDatabase] SET QUOTED\_IDENTIFIER OFF

GO

ALTER DATABASE [MptDatabase] SET RECURSIVE\_TRIGGERS OFF

GO

ALTER DATABASE [MptDatabase] SET ENABLE\_BROKER

GO

ALTER DATABASE [MptDatabase] SET AUTO\_UPDATE\_STATISTICS\_ASYNC OFF

GO

ALTER DATABASE [MptDatabase] SET DATE\_CORRELATION\_OPTIMIZATION OFF

GO

ALTER DATABASE [MptDatabase] SET TRUSTWORTHY OFF

GO

ALTER DATABASE [MptDatabase] SET ALLOW\_SNAPSHOT\_ISOLATION OFF

GO

ALTER DATABASE [MptDatabase] SET PARAMETERIZATION SIMPLE

GO

ALTER DATABASE [MptDatabase] SET READ\_COMMITTED\_SNAPSHOT ON

GO

ALTER DATABASE [MptDatabase] SET HONOR\_BROKER\_PRIORITY OFF

GO

ALTER DATABASE [MptDatabase] SET RECOVERY SIMPLE

GO

ALTER DATABASE [MptDatabase] SET MULTI\_USER

GO

ALTER DATABASE [MptDatabase] SET PAGE\_VERIFY CHECKSUM

GO

ALTER DATABASE [MptDatabase] SET DB\_CHAINING OFF

GO

ALTER DATABASE [MptDatabase] SET FILESTREAM( NON\_TRANSACTED\_ACCESS = OFF )

GO

ALTER DATABASE [MptDatabase] SET TARGET\_RECOVERY\_TIME = 60 SECONDS

GO

ALTER DATABASE [MptDatabase] SET DELAYED\_DURABILITY = DISABLED

GO

ALTER DATABASE [MptDatabase] SET ACCELERATED\_DATABASE\_RECOVERY = OFF

GO

ALTER DATABASE [MptDatabase] SET QUERY\_STORE = ON

GO

ALTER DATABASE [MptDatabase] SET QUERY\_STORE (OPERATION\_MODE = READ\_WRITE, CLEANUP\_POLICY = (STALE\_QUERY\_THRESHOLD\_DAYS = 30), DATA\_FLUSH\_INTERVAL\_SECONDS = 900, INTERVAL\_LENGTH\_MINUTES = 60, MAX\_STORAGE\_SIZE\_MB = 1000, QUERY\_CAPTURE\_MODE = AUTO, SIZE\_BASED\_CLEANUP\_MODE = AUTO, MAX\_PLANS\_PER\_QUERY = 200, WAIT\_STATS\_CAPTURE\_MODE = ON)

GO

USE [MptDatabase]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Answer] Script Date: 31.05.2023 22:13:25 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Answer](

[Id] [int] IDENTITY(1,1) NOT NULL,

[QuestionId] [int] NOT NULL,

[AnswerText] [nvarchar](max) NOT NULL,

[IsCorrect] [bit] NOT NULL,

CONSTRAINT [PK\_Answer] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[BankDetails] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[BankDetails](

[Id] [int] IDENTITY(1,1) NOT NULL,

[PersonalInfoId] [int] NOT NULL,

[AccountNumber] [nvarchar](max) NOT NULL,

[CorrespondentAccount] [nvarchar](max) NOT NULL,

[BankTIN] [int] NOT NULL,

[BankTRRC] [int] NOT NULL,

[BankBIC] [int] NOT NULL,

[SWIFTCode] [nvarchar](max) NOT NULL,

[CopyBankDetails] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_BankDetails] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Competence] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Competence](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [nvarchar](max) NOT NULL,

[MainExpertId] [int] NOT NULL,

[MainExpertFullName] [nvarchar](max) NOT NULL,

[TechExpertId] [int] NOT NULL,

[TechExpertFullName] [nvarchar](max) NOT NULL,

[Active] [bit] NOT NULL,

CONSTRAINT [PK\_Competence] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[DaySchedule] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[DaySchedule](

[Id] [int] IDENTITY(1,1) NOT NULL,

[ScheduleId] [int] NOT NULL,

[DayOfWeek] [nvarchar](max) NOT NULL,

[LessonOneName] [nvarchar](max) NOT NULL,

[LessonTwoName] [nvarchar](max) NOT NULL,

[LessonThreeName] [nvarchar](max) NOT NULL,

[LessonFourName] [nvarchar](max) NOT NULL,

[LessonFiveName] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_DaySchedule] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[DemoExam] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[DemoExam](

[Id] [int] IDENTITY(1,1) NOT NULL,

[CompetenceId] [int] NOT NULL,

[Competence] [nvarchar](max) NOT NULL,

[ExamStatus] [bit] NOT NULL,

[Address] [nvarchar](max) NOT NULL,

[MainExpertStatus] [nvarchar](max) NOT NULL,

[MainExpertId] [int] NOT NULL,

[MainExpertFullName] [nvarchar](max) NOT NULL,

[DayC\_1] [datetime2](7) NOT NULL,

[StartDate] [datetime2](7) NOT NULL,

[EndDate] [datetime2](7) NOT NULL,

[Active] [bit] NOT NULL,

[Type] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_DemoExam] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Document] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Document](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [nvarchar](max) NOT NULL,

[Format] [nvarchar](max) NOT NULL,

[UserId] [int] NOT NULL,

[UserFullName] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_Document] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[ExamExpertLink] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ExamExpertLink](

[Id] [int] IDENTITY(1,1) NOT NULL,

[ExamId] [int] NOT NULL,

[ExpertId] [int] NOT NULL,

CONSTRAINT [PK\_ExamExpertLink] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[GEKExam] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[GEKExam](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Number] [nvarchar](max) NOT NULL,

[SpecialityId] [int] NOT NULL,

[SpecialityName] [nvarchar](max) NOT NULL,

[Qualification] [nvarchar](max) NOT NULL,

[Address] [nvarchar](max) NOT NULL,

[GekChairmanId] [int] NOT NULL,

[GekChairmanFullName] [nvarchar](max) NOT NULL,

[GekExamDate] [datetime2](7) NOT NULL,

[Active] [bit] NOT NULL,

[Type] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_GEKExam] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Group] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Group](

[Id] [int] IDENTITY(1,1) NOT NULL,

[AcademicYear] [nvarchar](9) NOT NULL,

[Number] [nvarchar](10) NOT NULL,

[Course] [int] NOT NULL,

[ScheduleId] [int] NOT NULL,

[CompetenceId] [int] NOT NULL,

[CompetenceName] [nvarchar](max) NOT NULL,

[PMExamId] [int] NULL,

[DemoExamId] [int] NULL,

[GEKExamId] [int] NULL,

[Active] [bit] NOT NULL,

CONSTRAINT [PK\_Group] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[GroupSubjectLink] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[GroupSubjectLink](

[Id] [int] IDENTITY(1,1) NOT NULL,

[GroupId] [int] NOT NULL,

[SubjectId] [int] NOT NULL,

CONSTRAINT [PK\_GroupSubjectLink] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Mark] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Mark](

[Id] [int] IDENTITY(1,1) NOT NULL,

[StudentId] [int] NOT NULL,

[SubjectId] [int] NOT NULL,

[MarkValue] [nvarchar](max) NOT NULL,

[MarkDate] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_Mark] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[PersonalInfo] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[PersonalInfo](

[Id] [int] IDENTITY(1,1) NOT NULL,

[UserId] [int] NOT NULL,

[TIN] [int] NOT NULL,

[CopyTIN] [nvarchar](max) NOT NULL,

[IIAN] [nvarchar](max) NOT NULL,

[CopyIIAN] [nvarchar](max) NOT NULL,

[Passport] [nvarchar](max) NOT NULL,

[CopyPassport] [nvarchar](max) NOT NULL,

[RegistrationAddress] [nvarchar](max) NOT NULL,

[CopyRegistration] [nvarchar](max) NOT NULL,

[VaccineCertificate] [nvarchar](max) NOT NULL,

[ExpertCertificate] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_PersonalInfo] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[PMExam] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[PMExam](

[Id] [int] IDENTITY(1,1) NOT NULL,

[ExamName] [nvarchar](max) NOT NULL,

[Semester] [int] NOT NULL,

[ChairmanId] [int] NOT NULL,

[ChairmanFullName] [nvarchar](max) NOT NULL,

[ExamDate] [datetime2](7) NOT NULL,

[Active] [bit] NOT NULL,

[Type] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_PMExam] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Question] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Question](

[Id] [int] IDENTITY(1,1) NOT NULL,

[TestingId] [int] NOT NULL,

[QuestionText] [nvarchar](max) NOT NULL,

[MultipleAnswer] [bit] NOT NULL,

CONSTRAINT [PK\_Question] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Schedule] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Schedule](

[Id] [int] IDENTITY(1,1) NOT NULL,

[GroupId] [int] NOT NULL,

[GroupName] [nvarchar](max) NOT NULL,

CONSTRAINT [PK\_Schedule] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Speciality] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Speciality](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [nvarchar](max) NOT NULL,

[Qualification] [nvarchar](max) NOT NULL,

[Active] [bit] NOT NULL,

CONSTRAINT [PK\_Speciality] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[StudentSubjectLink] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[StudentSubjectLink](

[Id] [int] IDENTITY(1,1) NOT NULL,

[StudentId] [int] NOT NULL,

[SubjectId] [int] NOT NULL,

CONSTRAINT [PK\_StudentSubjectLink] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Subject] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Subject](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Title] [nvarchar](200) NOT NULL,

[Free] [bit] NOT NULL,

[Active] [bit] NOT NULL,

CONSTRAINT [PK\_Subject] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Testing] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Testing](

[Id] [int] IDENTITY(1,1) NOT NULL,

[TeacherId] [int] NOT NULL,

[TeacherFullName] [nvarchar](max) NOT NULL,

[SubjectId] [int] NOT NULL,

[SubjectTitle] [nvarchar](max) NOT NULL,

[StudentId] [int] NOT NULL,

[StudentFullName] [nvarchar](max) NOT NULL,

[TestingTheme] [nvarchar](max) NOT NULL,

[IsCompleted] [bit] NOT NULL,

CONSTRAINT [PK\_Testing] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[User] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[User](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Role] [int] NOT NULL,

[Avatar] [nvarchar](max) NOT NULL,

[Email] [nvarchar](30) NOT NULL,

[Password] [nvarchar](max) NOT NULL,

[Surname] [nvarchar](30) NOT NULL,

[Name] [nvarchar](30) NOT NULL,

[Patronymic] [nvarchar](30) NOT NULL,

[Birthdate] [datetime2](7) NOT NULL,

[GroupId] [int] NOT NULL,

[GroupNumber] [nvarchar](max) NOT NULL,

[StudentCard] [int] NOT NULL,

[SubjectId] [int] NOT NULL,

[SubjectTitle] [nvarchar](max) NOT NULL,

[CompetenceId] [int] NOT NULL,

[CompetenceName] [nvarchar](max) NOT NULL,

[PMExamId] [int] NOT NULL,

[PMExamName] [nvarchar](max) NOT NULL,

[DemoExamId] [int] NOT NULL,

[DemoExamName] [nvarchar](max) NOT NULL,

[GEKExamId] [int] NOT NULL,

[GEKExamName] [nvarchar](max) NOT NULL,

[Contract] [nvarchar](max) NOT NULL,

[Status] [nvarchar](max) NOT NULL,

[Active] [bit] NOT NULL,

CONSTRAINT [PK\_User] PRIMARY KEY CLUSTERED

(

[Id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_Answer\_QuestionId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_Answer\_QuestionId] ON [dbo].[Answer]

(

[QuestionId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_BankDetails\_PersonalInfoId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE UNIQUE NONCLUSTERED INDEX [IX\_BankDetails\_PersonalInfoId] ON [dbo].[BankDetails]

(

[PersonalInfoId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_DaySchedule\_ScheduleId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_DaySchedule\_ScheduleId] ON [dbo].[DaySchedule]

(

[ScheduleId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_Group\_DemoExamId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_Group\_DemoExamId] ON [dbo].[Group]

(

[DemoExamId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_Group\_GEKExamId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_Group\_GEKExamId] ON [dbo].[Group]

(

[GEKExamId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_Group\_PMExamId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_Group\_PMExamId] ON [dbo].[Group]

(

[PMExamId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Index [IX\_Question\_TestingId] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE NONCLUSTERED INDEX [IX\_Question\_TestingId] ON [dbo].[Question]

(

[TestingId] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

SET ANSI\_PADDING ON

GO

/\*\*\*\*\*\* Object: Index [IX\_User\_Email] Script Date: 31.05.2023 22:13:26 \*\*\*\*\*\*/

CREATE UNIQUE NONCLUSTERED INDEX [IX\_User\_Email] ON [dbo].[User]

(

[Email] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Answer] WITH CHECK ADD CONSTRAINT [FK\_Answer\_Question\_QuestionId] FOREIGN KEY([QuestionId])

REFERENCES [dbo].[Question] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Answer] CHECK CONSTRAINT [FK\_Answer\_Question\_QuestionId]

GO

ALTER TABLE [dbo].[BankDetails] WITH CHECK ADD CONSTRAINT [FK\_BankDetails\_PersonalInfo\_PersonalInfoId] FOREIGN KEY([PersonalInfoId])

REFERENCES [dbo].[PersonalInfo] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[BankDetails] CHECK CONSTRAINT [FK\_BankDetails\_PersonalInfo\_PersonalInfoId]

GO

ALTER TABLE [dbo].[DaySchedule] WITH CHECK ADD CONSTRAINT [FK\_DaySchedule\_Schedule\_ScheduleId] FOREIGN KEY([ScheduleId])

REFERENCES [dbo].[Schedule] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[DaySchedule] CHECK CONSTRAINT [FK\_DaySchedule\_Schedule\_ScheduleId]

GO

ALTER TABLE [dbo].[Group] WITH CHECK ADD CONSTRAINT [FK\_Group\_DemoExam\_DemoExamId] FOREIGN KEY([DemoExamId])

REFERENCES [dbo].[DemoExam] ([Id])

GO

ALTER TABLE [dbo].[Group] CHECK CONSTRAINT [FK\_Group\_DemoExam\_DemoExamId]

GO

ALTER TABLE [dbo].[Group] WITH CHECK ADD CONSTRAINT [FK\_Group\_GEKExam\_GEKExamId] FOREIGN KEY([GEKExamId])

REFERENCES [dbo].[GEKExam] ([Id])

GO

ALTER TABLE [dbo].[Group] CHECK CONSTRAINT [FK\_Group\_GEKExam\_GEKExamId]

GO

ALTER TABLE [dbo].[Group] WITH CHECK ADD CONSTRAINT [FK\_Group\_PMExam\_PMExamId] FOREIGN KEY([PMExamId])

REFERENCES [dbo].[PMExam] ([Id])

GO

ALTER TABLE [dbo].[Group] CHECK CONSTRAINT [FK\_Group\_PMExam\_PMExamId]

GO

ALTER TABLE [dbo].[Question] WITH CHECK ADD CONSTRAINT [FK\_Question\_Testing\_TestingId] FOREIGN KEY([TestingId])

REFERENCES [dbo].[Testing] ([Id])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Question] CHECK CONSTRAINT [FK\_Question\_Testing\_TestingId]

GO

USE [master]

GO

ALTER DATABASE [MptDatabase] SET READ\_WRITE

GO