



Создать и выполнить хранимую процедуру, позволяющую выбрать отделы с

заданным количества штатных сотрудников, которое ввести в качестве параметра:

USE [Staff\_table]

GO

CREATE PROCEDUR DepNameWithParameterNumber

@Counter\_ INT

AS

BEGIN

SELECT DISTINCT DepName

FROM Departments INNER JOIN

Positions

ON Positions.DEpNO = Departments.DepNO

GROUP BY Departments.DepName

HAVING SUM(Positions.Count\_of\_people) = @Counter\_

END;

USE Staff\_table

EXEC DepNameWithParameterNumber 8

Создать и выполнить хранимую процедуру, позволяющую выбрать отделы с

заданным количества штатных сотрудников, которое ввести в качестве параметра:

USE [Staff\_table]

GO

CREATE PROCEDUR DepNameWithParameterNumber

@Counter\_ INT

AS

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FROM Departments INNER JOIN

Positions

ON Positions.DEpNO = Departments.DepNO

GROUP BY Departments.DepName

HAVING SUM(Positions.Count\_of\_people) = @Counter\_

END;

USE Staff\_table

EXEC DepNameWithParameterNumber 8

Скрипт на создание БД:

USE [master]

GO

GO

CREATE PROCEDURE

AS

BEGIN

/\*\*\*\*\*\* Object: Database [Staff\_table] Script Date: 07.03.2023 11:43:21 \*\*\*\*\*\*/

CREATE DATABASE [Staff\_table]

CONTAINMENT = NONE

ON PRIMARY

( NAME = N'Staff\_table', FILENAME = N'C:\Program Files\Microsoft SQL

Server\MSSQL14.SQLEXPRESS\MSSQL\DATA\Staff\_table.mdf' , SIZE = 8192KB ,

MAXSIZE = 102400KB , FILEGROWTH = 10240KB )

LOG ON

( NAME = N'Staff\_table\_log', FILENAME = N'C:\Program Files\Microsoft SQL

Server\MSSQL14.SQLEXPRESS\MSSQL\DATA\Staff\_table\_log.ldf' , SIZE = 8192KB ,

MAXSIZE = 102400KB , FILEGROWTH = 10240KB )

GO

ALTER DATABASE [Staff\_table] SET COMPATIBILITY\_LEVEL = 140

GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))

begin

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

end

GO

ALTER DATABASE [Staff\_table] SET ANSI\_NULL\_DEFAULT OFF

GO

ALTER DATABASE [Staff\_table] SET ANSI\_NULLS OFF

GO

ALTER DATABASE [Staff\_table] SET ANSI\_PADDING OFF

GO

ALTER DATABASE [Staff\_table] SET ANSI\_WARNINGS OFF

GO

ALTER DATABASE [Staff\_table] SET ARITHABORT OFF

GO

ALTER DATABASE [Staff\_table] SET AUTO\_CLOSE OFF

GO

ALTER DATABASE [Staff\_table] SET AUTO\_SHRINK OFF

GO

ALTER DATABASE [Staff\_table] SET AUTO\_UPDATE\_STATISTICS ON

GO

ALTER DATABASE [Staff\_table] SET CURSOR\_CLOSE\_ON\_COMMIT OFF

GO

ALTER DATABASE [Staff\_table] SET CURSOR\_DEFAULT GLOBAL

GO

ALTER DATABASE [Staff\_table] SET CONCAT\_NULL\_YIELDS\_NULL OFF

GO

ALTER DATABASE [Staff\_table] SET NUMERIC\_ROUNDABORT OFF

GO

ALTER DATABASE [Staff\_table] SET QUOTED\_IDENTIFIER OFF

GO

ALTER DATABASE [Staff\_table] SET RECURSIVE\_TRIGGERS OFF

GO

ALTER DATABASE [Staff\_table] SET DISABLE\_BROKER

GO

ALTER DATABASE [Staff\_table] SET AUTO\_UPDATE\_STATISTICS\_ASYNC OFF

GO

ALTER DATABASE [Staff\_table] SET DATE\_CORRELATION\_OPTIMIZATION OFF

GO

ALTER DATABASE [Staff\_table] SET TRUSTWORTHY OFF

GO

ALTER DATABASE [Staff\_table] SET ALLOW\_SNAPSHOT\_ISOLATION OFF

GO

ALTER DATABASE [Staff\_table] SET PARAMETERIZATION SIMPLE

GO

ALTER DATABASE [Staff\_table] SET READ\_COMMITTED\_SNAPSHOT OFF

GO

ALTER DATABASE [Staff\_table] SET HONOR\_BROKER\_PRIORITY OFF

GO

ALTER DATABASE [Staff\_table] SET RECOVERY SIMPLE

GO

ALTER DATABASE [Staff\_table] SET MULTI\_USER

GO

ALTER DATABASE [Staff\_table] SET PAGE\_VERIFY CHECKSUM

GO

ALTER DATABASE [Staff\_table] SET DB\_CHAINING OFF

GO

ALTER DATABASE [Staff\_table] SET FILESTREAM(

NON\_TRANSACTED\_ACCESS = OFF )

GO

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

GO

ALTER DATABASE [Staff\_table] SET DELAYED\_DURABILITY = DISABLED

GO

ALTER DATABASE [Staff\_table] SET QUERY\_STORE = OFF

GO

USE [Staff\_table]

GO

ALTER DATABASE SCOPED CONFIGURATION SET IDENTITY\_CACHE = ON;

GO

ALTER DATABASE SCOPED CONFIGURATION SET

LEGACY\_CARDINALITY\_ESTIMATION = OFF;

GO

ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET

LEGACY\_CARDINALITY\_ESTIMATION = PRIMARY;

GO

ALTER DATABASE SCOPED CONFIGURATION SET MAXDOP = 0;

GO

ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET

MAXDOP = PRIMARY;

GO

ALTER DATABASE SCOPED CONFIGURATION SET PARAMETER\_SNIFFING =

ON;

GO

ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET

PARAMETER\_SNIFFING = PRIMARY;

GO

ALTER DATABASE SCOPED CONFIGURATION SET

QUERY\_OPTIMIZER\_HOTFIXES = OFF;

GO

ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET

QUERY\_OPTIMIZER\_HOTFIXES = PRIMARY;

GO

USE [Staff\_table]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Appointments] Script Date: 07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Appointments](

[NO] [int] NOT NULL,

[EmpNO] [int] NULL,

[HireDate] [datetime] NULL,

[FireDate] [datetime] NULL,

[DepNO] [int] NULL,

[SpecNO] [int] NULL,

[status] [nvarchar](255) NULL,

CONSTRAINT [PK\_Appointments] PRIMARY KEY CLUSTERED

(

[NO] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,

IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS

= ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Departments] Script Date: 07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Departments](

[DepNO] [int] NOT NULL,

[DepName] [nvarchar](255) NULL,

CONSTRAINT [PK\_Departments\_1] PRIMARY KEY CLUSTERED

(

[DepNO] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,

IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS

= ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Positions] Script Date: 07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Positions](

[DepNO] [int] NOT NULL,

[SpecNO] [int] NOT NULL,

[Count\_of\_people] [int] NULL,

CONSTRAINT [PK\_Positions] PRIMARY KEY CLUSTERED

(

[DepNO] ASC,

[SpecNO] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,

IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS

= ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Specialities] Script Date: 07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Specialities](

[SpecNO] [int] NOT NULL,

[SpecName] [nvarchar](255) NULL,

CONSTRAINT [PK\_Specialities\_1] PRIMARY KEY CLUSTERED

(

[SpecNO] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,

IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS

= ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Workers] Script Date: 07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Workers](

[EmpNO] [int] NOT NULL,

[Surname] [nvarchar](255) NULL,

[First\_name] [nvarchar](255) NULL,

[Last\_name] [nvarchar](255) NULL,

[gender] [nvarchar](255) NULL,

[Dateofbirth] [datetime] NULL,

[phoneNO] [int] NULL,

[degree] [nvarchar](255) NULL,

CONSTRAINT [PK\_Workers] PRIMARY KEY CLUSTERED

(

[EmpNO] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF,

IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS

= ON) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Appointments] WITH CHECK ADD CONSTRAINT

[FK\_Appointments\_Positions1] FOREIGN KEY([DepNO], [SpecNO])

REFERENCES [dbo].[Positions] ([DepNO], [SpecNO])

GO

ALTER TABLE [dbo].[Appointments] CHECK CONSTRAINT

[FK\_Appointments\_Positions1]

GO

ALTER TABLE [dbo].[Appointments] WITH CHECK ADD CONSTRAINT

[FK\_Appointments\_Workers] FOREIGN KEY([EmpNO])

REFERENCES [dbo].[Workers] ([EmpNO])

GO

ALTER TABLE [dbo].[Appointments] CHECK CONSTRAINT

[FK\_Appointments\_Workers]

GO

ALTER TABLE [dbo].[Positions] WITH CHECK ADD CONSTRAINT

[FK\_Positions\_Departments1] FOREIGN KEY([DepNO])

REFERENCES [dbo].[Departments] ([DepNO])

GO

ALTER TABLE [dbo].[Positions] CHECK CONSTRAINT [FK\_Positions\_Departments1]

GO

ALTER TABLE [dbo].[Positions] WITH CHECK ADD CONSTRAINT

[FK\_Positions\_Specialities1] FOREIGN KEY([SpecNO])

REFERENCES [dbo].[Specialities] ([SpecNO])

GO

ALTER TABLE [dbo].[Positions] CHECK CONSTRAINT [FK\_Positions\_Specialities1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[DepNameWithParameterNumber] Script Date:

07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE [dbo].[DepNameWithParameterNumber]

@Counter\_ INT

AS

BEGIN

SELECT DISTINCT DepName

FROM Departments INNER JOIN

Positions

ON Positions.DEpNO = Departments.DepNO

GROUP BY Departments.DepName

HAVING SUM(Positions.Count\_of\_people) = @Counter\_

END;

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[EmpFIOWithParameters] Script Date:

07.03.2023 11:43:22 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE [dbo].[EmpFIOWithParameters]

@Dname nvarchar(255),

@Sname nvarchar(255)

AS

BEGIN

SELECT Workers.FIO, Departments.DepName, Specialities.SpecName

FROM Workers

INNER JOIN

Appointments ON Appointments.EmpNO = Workers.EmpNO

INNER JOIN

Departments ON Departments.DepNO = Appointments.DepNO

INNER JOIN

Specialities ON Specialities.SpecNO = Appointments.SpecNO

WHERE DepName = @Dname AND SpecName = @Sname

END;

GO

USE [master]

GO

ALTER DATABASE [Staff\_table] SET READ\_WRITE

GO

END;