

Příloha B – Skript v jazyce SQL pro vytvoření datového úložiště

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IF NOT EXISTS(SELECT * FROM sys.databases WHERE name = 'CentralDataStorage')
BEGIN
    CREATE DATABASE CentralDataStorage
END
GO

USE CentralDataStorage
GO

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Odvetvi]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Odvetvi (
        Id_odvetvi INT PRIMARY KEY,
        Nazev VARCHAR(100) NOT NULL UNIQUE
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Zakaznik]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Zakaznik (
        Id_zakaznika INT PRIMARY KEY,
        Nazev VARCHAR(300) NOT NULL,
        Id_odvetvi INT NOT NULL FOREIGN KEY REFERENCES Odvetvi(Id_odvetvi)
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[ZdrojOP]') AND type IN (N'U'))
BEGIN
    CREATE TABLE ZdrojOP (
        Id_zdroje_OP INT PRIMARY KEY,
        Nazev VARCHAR(100) NOT NULL UNIQUE
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[PredmetOP]') AND type IN (N'U'))
BEGIN
    CREATE TABLE PredmetOP (
        Id_predmetu_OP INT PRIMARY KEY,
        Nazev VARCHAR(100) NOT NULL UNIQUE
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Zamestnanec]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Zamestnanec (
        Id_zamestnanec INT PRIMARY KEY,
        Login VARCHAR(200) NOT NULL,
        Jmeno VARCHAR(100) NOT NULL,
        Prijmeni VARCHAR(100) NOT NULL
    )
END
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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Stredisko]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Stredisko (
        Id_strediska INT PRIMARY KEY,
        Nazev VARCHAR(150) NOT NULL UNIQUE,
        CenaZaMD SMALLINT NOT NULL,
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[StrediskoZamestnanec]') AND type IN (N'U'))
BEGIN
    CREATE TABLE StrediskoZamestnanec (
        Id_StrediskaZamestnanec INT PRIMARY KEY,
        Id_strediska INT NOT NULL FOREIGN KEY REFERENCES Stredisko(Id_strediska),
        Id_zamestnanec INT NOT NULL FOREIGN KEY REFERENCES Zamestnanec(Id_zamestnanec),
        DatumOd DATE NOT NULL,
        DatumDo DATE NOT NULL
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[TypCinnosti]') AND type IN (N'U'))
BEGIN
    CREATE TABLE TypCinnosti (
        Id_typu_cinnosti INT PRIMARY KEY,
        Nazev VARCHAR(100) NOT NULL UNIQUE
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[PodtypCinnosti]') AND type IN (N'U'))
BEGIN
    CREATE TABLE PodtypCinnosti (
        Id_podtypu_cinnosti INT PRIMARY KEY,
        Nazev VARCHAR(100) NOT NULL,
        Id_typu_cinnosti INT NOT NULL FOREIGN KEY REFERENCES
TypCinnosti(Id_typu_cinnosti)
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Dodavatel]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Dodavatel (
        Id_dodavatele INT PRIMARY KEY,
        Nazev VARCHAR(300) NOT NULL UNIQUE
    )
END

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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[ObchodniPrilezitost]') AND type IN (N'U'))
BEGIN
    CREATE TABLE ObchodniPrilezitost (
        Id_obchodni_prilezitosti INT PRIMARY KEY IDENTITY(1,1),
        Id_obchodni_prilezitosti_crm INT,
        Id_obchodni_prilezitosti_dms INT,
        Nazev VARCHAR(200) NOT NULL,
        DatumVytvoreni DATE NOT NULL,
        OdhadCeny INT NOT NULL CHECK (OdhadCeny >= 0),
        Id_zamestnanec INT NOT NULL FOREIGN KEY REFERENCES
Zamestnanec(Id_zamestnanec),
        Id_zakaznika INT NOT NULL FOREIGN KEY REFERENCES Zakaznik(Id_zakaznika),
        Id_zdroje_OP INT NOT NULL FOREIGN KEY REFERENCES ZdrojOP(Id_zdroje_OP),
        Id_predmetu_OP INT NOT NULL FOREIGN KEY REFERENCES PredmetOP(Id_predmetu_OP),
        CHECK ((Id_obchodni_prilezitosti_crm IS NOT NULL AND
Id_obchodni_prilezitosti_dms IS NULL) OR (Id_obchodni_prilezitosti_crm IS NULL AND
Id_obchodni_prilezitosti_dms IS NOT NULL))
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Projekt]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Projekt (
        Id_projektu INT PRIMARY KEY,
        Nazev VARCHAR(200) NOT NULL,
        Stav VARCHAR(10) NOT NULL CHECK (Stav IN ('aktivní', 'dokončený')),
        DatumVytvoreni DATE NOT NULL,
        Id_zamestnanec INT NOT NULL FOREIGN KEY REFERENCES
Zamestnanec(Id_zamestnanec),
        Id_obchodni_prilezitosti_crm INT,
        Id_obchodni_prilezitosti_dms INT
    )
END

IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Cinnost]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Cinnost (
        OdpracovaneHodinyCelkem INT NOT NULL,
        Id_projektu INT NOT NULL FOREIGN KEY REFERENCES Projekt(Id_projektu),
        Id_strediska INT NOT NULL FOREIGN KEY REFERENCES Stredisko(Id_strediska),
        Id_podtypu_cinnosti INT NOT NULL FOREIGN KEY REFERENCES
PodtypCinnosti(Id_podtypu_cinnosti),
        PRIMARY KEY (Id_projektu, Id_strediska, Id_podtypu_cinnosti)
    )
END

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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[FakturaPrijata]') AND type IN (N'U'))
BEGIN
    CREATE TABLE FakturaPrijata (
        Id_faktury_prijate INT PRIMARY KEY,
        CisloFaktury VARCHAR(15) NOT NULL UNIQUE,
        PredmetDodavky VARCHAR(200) NOT NULL,
        OznaceniDodavky VARCHAR(300) NOT NULL,
        CastkaBezDPH INT NOT NULL,
        Id_meny INT NOT NULL FOREIGN KEY REFERENCES Mena(Id_meny),
        DatumPrijeti DATE NOT NULL,
        Id_strediska INT FOREIGN KEY REFERENCES Stredisko(Id_strediska),
        Id_projektu INT FOREIGN KEY REFERENCES Projekt(Id_projektu),
        Id_dodavatele INT NOT NULL FOREIGN KEY REFERENCES Dodavatel(Id_dodavatele),
        CHECK ((Id_strediska IS NOT NULL AND Id_projektu IS NULL) OR (Id_strediska IS
NULL AND Id_projektu IS NOT NULL))
    )
END

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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[FakturaVydana]') AND type IN (N'U'))
BEGIN
    CREATE TABLE FakturaVydana (
        Id_faktury_vydane INT PRIMARY KEY,
        CisloFaktury VARCHAR(15) NOT NULL UNIQUE,
        CastkaBezDPH INT NOT NULL,
        Id_meny INT NOT NULL FOREIGN KEY REFERENCES Mena(Id_meny),
        DatumVystaveni DATE NOT NULL,
        DatumSplatnosti DATE NOT NULL,
        Uhrazeno BIT NOT NULL,
        Id_projektu INT NOT NULL FOREIGN KEY REFERENCES Projekt(Id_projektu)
    )
END

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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Mena]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Mena (
        Id_meny INT PRIMARY KEY IDENTITY(1,1),
        Zkratka_meny VARCHAR(5) NOT NULL UNIQUE
    )
END

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IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[Kurz_meny]') AND type IN (N'U'))
BEGIN
    CREATE TABLE Kurz_meny (
        Id_meny INT NOT NULL FOREIGN KEY REFERENCES Mena(Id_meny),
        Datum DATE NOT NULL,
        Kurz FLOAT NOT NULL,
        PRIMARY KEY (Id_meny, Datum)
    )
END

```