Posted by AlenaAlenaAAA on Sat, 04 Jan 2025 11:27:17 GMT
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```
WITH DepartmentHierarchy AS (

    SELECT
        d.Id,
        dn.Name AS DepartmentName,
        d.IdParentDepartment,
        1 AS Level,
        CAST(dn.Name AS NVARCHAR(MAX)) AS FullDepartmentName,
        d.IdDepartmentName
```

```
    FROM dbo.Departments d
    INNER JOIN dbo.DepartmentName dn ON d.IdDepartmentName = dn.Id



    UNION ALL

    SELECT
        d.Id,
        dn.Name AS DepartmentName,
        d.IdParentDepartment,
        dh.Level + 1 AS Level,
        CAST(dh.FullDepartmentName + ' > ' + dn.Name AS NVARCHAR(MAX)) AS
FullDepartmentName,
        d.IdDepartmentName
    FROM dbo.Departments d
    INNER JOIN dbo.DepartmentName dn ON d.IdDepartmentName = dn.Id
    INNER JOIN DepartmentHierarchy dh ON d.IdParentDepartment = dh.Id
)

SELECT
    dh.FullDepartmentName AS DepartmentHierarchy,
    dh.Level
FROM DepartmentHierarchy dh
ORDER BY dh.Level, dh.FullDepartmentName;


SELECT
    d.Id AS DepartmentId,







FROM Departments d

INNER JOIN DepartmentName d1 ON d1.Id = d.IdDepartmentName


LEFT JOIN Departments dp ON dp.Id = d.IdParentDepartment
LEFT JOIN DepartmentName d2 ON d2.Id = dp.IdDepartmentName

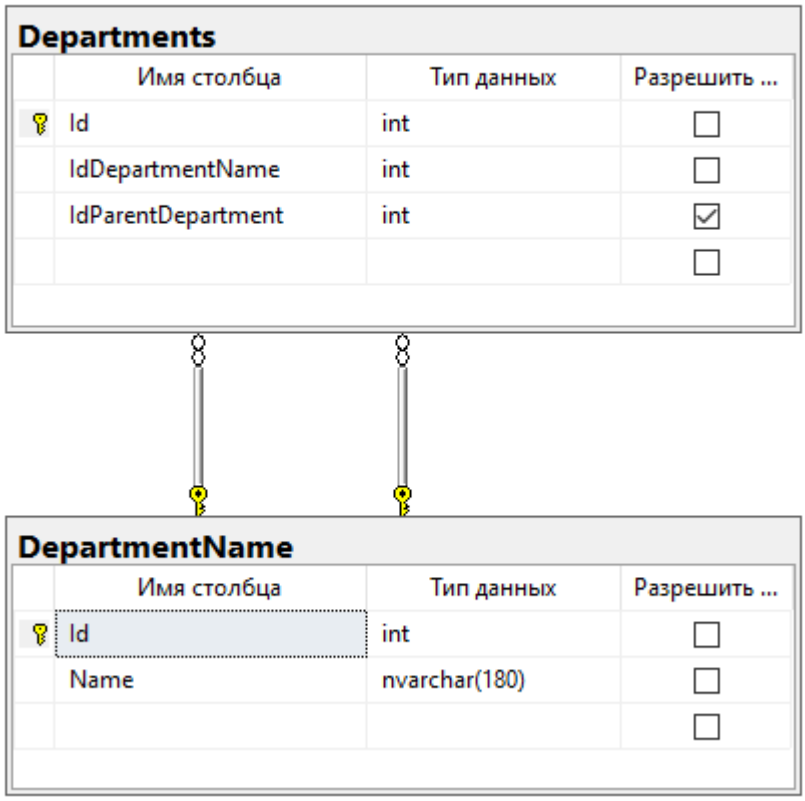

LEFT JOIN Departments gdp ON gdp.Id = dp.IdParentDepartment
LEFT JOIN DepartmentName d3 ON d3.Id = gdp.IdDepartmentName
ORDER BY Level1, Level2, Level3;
```

```
CREATE TABLE DepartmentName
(
   Id INT NOT NULL PRIMARY KEY IDENTITY(1,1),
   Name nvarchar(180) NOT NULL
);

CREATE TABLE Departments
(
   Id INT NOT NULL PRIMARY KEY IDENTITY(1,1),
   IdDepartmentName INT NOT NULL,
   IdParentDepartment INT,
   FOREIGN KEY (IdDepartmentName) REFERENCES DepartmentName(Id),
   FOREIGN KEY (IdParentDepartment) REFERENCES DepartmentName(Id)
);
```

File Attachments

1) Screenshot_1.png, downloaded 1809 times


Departments
Имя столбца
Тип данных
Разрешить ...
Id
int
IdDepartmentName
int
IdParentDepartment
int
DepartmentName
Имя столбца
Тип данных
Разрешить ...
Id
int
Name
nvarchar(180)