

简单查询树形结构数据库表 PDF转换可能丢失图片或格式，
建议阅读原文

https://www.100test.com/kao_ti2020/475/2021_2022__E7_AE_80_E5_8D_95_E6_9F_A5_E8_c67_475815.htm 在与同事讨论中，得到一个思路，不用嵌套调用直接用一个语句就可以生成树，事实上他已经做好了该程序，他用了临时表写了一个存储过程，我改写为一个表值函数，供大家参考：表结构及表值函数如下：查询树表语句 1/**/**** Object: Table [dbo].[Tree]
Script Date: 2005-11-04 18:07:00 ***/ 2CREATE TABLE
[dbo].[Tree] (3 [ID] [int] IDENTITY (1, 1) NOT NULL , 4 [PID]
[int] NULL , 5 [Name] [varchar] (10) COLLATE
Chinese_PRC_CI_AS NULL 6) ON [PRIMARY] 7GO 8 9
CREATE CLUSTERED INDEX [IX_Tree] ON
[dbo].[Tree]([PID]) ON [PRIMARY]10GO1112ALTER TABLE
[dbo].[Tree] WITH NOCHECK ADD 13 CONSTRAINT
[PK_Tree] PRIMARY KEY NONCLUSTERED 14 (15 [ID]16)
ON [PRIMARY] ,17 CONSTRAINT [子ID不能等于父ID]
CHECK ([ID] [PID])18GO1920ALTER TABLE [dbo].[Tree]
ADD 21 CONSTRAINT [FK_Tree_Tree] FOREIGN KEY 22 (23
[PID]24) REFERENCES [dbo].[Tree] (25 [ID]26
)27GO2829/**/***** 对象: 用户定义的函数 dbo.fGetTreeTable
脚本日期: 2005-11-04 18:07:02 *****/30CREATE FUNCTION
dbo.fGetTreeTable31 (32 @ID int= null33)34RETURNS @Tab
TABLE(ID int, PID int, Name varchar(10), Lev int)35AS36
BEGIN37 Declare @lev int38 Set @lev=039 40 While @lev=0 or
@@ROWCount>041 Begin42 Set @Lev=@Lev 143 Insert @Tab(ID,

PID, Name, Lev)44 Select ID, PID, Name, @Lev From Tree Where
(@Lev=1 and ((PID=@ID) or (@ID is null and PID is null))) or
(PID in (Select ID From @Tab Where Lev=@Lev-1))45 order by
ID46 End47 RETURN48 END4950GO5152--实际数据53Insert
Tree(PID, Name) values(null, 公司)54Insert Tree(PID, Name)
values(3, IT)55Insert Tree(PID, Name) values(1, Fin)56Insert
Tree(PID, Name) values(5, XZ)57Insert Tree(PID, Name) values(1,
HR)58GO 直接查询Select * from dbo.fGetTreeTable (null) 就可
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