Atitit 组织架构 与 层次结构数据 表自连接 attilax总结

[1.1. 表自连接 1](#_Toc12992)

[1.2. 过滤最底层没有层次的组织 2](#_Toc19774)

[1.3. 连接title与id方便select控件显示 2](#_Toc14323)

## 自连接原理

A 作为高层表

B 作为底层表

自连接的本意就是将一张表看成多张表来做连接

自连接使用场合 从这里我们看到，当表中的某一个字段与这个表中另外字段的相关时，我们可能用到自[连接](http://baike.baidu.com/item/%E8%BF%9E%E6%8E%A5" \t "http://baike.baidu.com/_blank)

## 表自连接

SELECT

`d`.`title` AS `title`,

`d`.`dptno` AS `dptno`,

`dpt\_lev2`.`title` AS `title\_lev2`,

`dpt\_lev2`.`dptno` AS `dptno\_lev2`,

`dpt\_lev3`.`title` AS `title\_lev3`,

`dpt\_lev3`.`dptno` AS `dptno\_lev3`,

`dpt\_lev4`.`title` AS `title\_lev4`,

`dpt\_lev4`.`dptno` AS `dptno\_lev4`,

`dpt\_lev5`.`title` AS `title\_lev5`,

`dpt\_lev5`.`dptno` AS `dptno\_lev5`,

`dpt\_lev6`.`title` AS `title\_lev6`,

`dpt\_lev6`.`dptno` AS `dptno\_lev6`,

`dpt\_lev7`.`title` AS `title\_lev7`,

`dpt\_lev7`.`dptno` AS `dptno\_lev7`

FROM

(

(

(

(

(

(

`l\_department` `d`

LEFT JOIN `l\_department` `dpt\_lev2` ON (

(

`dpt\_lev2`.`dptpid` = `d`.`dptno`

)

)

)

LEFT JOIN `l\_department` `dpt\_lev3` ON (

(

`dpt\_lev3`.`dptpid` = `dpt\_lev2`.`dptno`

)

)

)

LEFT JOIN `l\_department` `dpt\_lev4` ON (

(

`dpt\_lev4`.`dptpid` = `dpt\_lev3`.`dptno`

)

)

)

LEFT JOIN `l\_department` `dpt\_lev5` ON (

(

`dpt\_lev5`.`dptpid` = `dpt\_lev4`.`dptno`

)

)

)

LEFT JOIN `l\_department` `dpt\_lev6` ON (

(

`dpt\_lev6`.`dptpid` = `dpt\_lev5`.`dptno`

)

)

)

LEFT JOIN `l\_department` `dpt\_lev7` ON (

(

`dpt\_lev7`.`dptpid` = `dpt\_lev6`.`dptno`

)

)

)

## 过滤最底层没有层次的组织

where title\_lev2 is not null

## 连接title与id方便select控件显示

SELECT

concat\_ws(

'>',

`dpt\_lev`.`title`,

`dpt\_lev`.`title\_lev2`,

`dpt\_lev`.`title\_lev3`,

`dpt\_lev`.`title\_lev4`,

`dpt\_lev`.`title\_lev5`,

`dpt\_lev`.`title\_lev6`

) AS `title`,

concat\_ws(

'>',

`dpt\_lev`.`dptno`,

`dpt\_lev`.`dptno\_lev2`,

`dpt\_lev`.`dptno\_lev3`,

`dpt\_lev`.`dptno\_lev4`,

`dpt\_lev`.`dptno\_lev5`,

`dpt\_lev`.`dptno\_lev6`

) AS `dptno`

FROM

`dpt\_lev\_fltEmpty` `dpt\_lev`

