Mittwoch, 9. März 2022

- Allgemeine Struktur
- Daten
- Abfragen

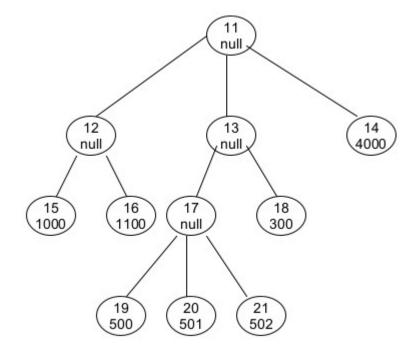
```
Mittwoch, 9. März 2022 08:09
```

Tabelle tree0

p: Parent

v: Value

123 id	T:	123 p	T:	123 v	T:
	11	[NU	ILL]	[NU	JLL]
	12		11	[NI	JLL]
	13		11	[NU	JLL]
	14		11	4	.000
	15		12	1.	.000
	16		12	1	100
	17		13	[NU	JLL]
	18		13		300
	19		17		500
	20		17		501
	21		17		502



Werte gibt es nur bei den Blättern

Rekursive Abfrage

Mittwoch, 9. März 2022

order by lvl

```
with recursive
  tree1(id, p, v, lvl, pth) as (
      select id, p, v, 1, cast(id as varchar(200))
      from tree0
      where p is null
    union all
      select t0.id, t0.p, t0.v, lvl+1, cast(pth || '/' || t0.id as varchar(200))
      from tree0 t0 join tree1 t1 on t0.p=t1.id
  ),
  tree2(id, p, v, lvl, pth, kind) as (
    select
      id, p, v, lvl, pth,
      case
        when lvl=(select min(lvl) from tree1) then 'root'
        when (not exists (select * from tree1 below where below.p =tree1.id)) then 'leaf'
        else 'inner'
      end
    from tree1
select id, p, v, lvl, pth, kind
from tree2
```

15 1000	11 null null 18 300	14 4000
	19 500 20 501 21 502	

123 id	T:	123 p	T:	123 v	T:	123 v 	T:	ABC pth TI	ABC kind T
	11	[NL	JLL]	[NU	LL]		1	11	root
	12		11	[NU	LL]		2	11/12	inner
	13		11	[NU	LL]		2	11/13	inner
	14		11	4.	000		2	11/14	leaf
	15		12	1.000			3	11/12/15	leaf
	16		12	1.	100		3	11/12/16	leaf
	17		13	[NU	LL]		3	11/13/17	inner
	18		13		300		3	11/13/18	leaf
	19		17		500		4	11/13/17/19	leaf
	20		17		501		4	11/13/17/20	leaf
	21		17		502		4	11/13/17/21	leaf