



pears.CollectionAllChildrenJsonTree



Generated schema reference. Regenerate this page from the SQL unload; keep hand-maintained business notes in the narrative namespace.

Original SQL

```
CREATE PROCEDURE "pears"."CollectionAllChildrenJsonTree"(  
    /* Application Maintained Function / Procedure - DO NOT EDIT*/  
    IN "pcollection" CHAR(20) )  
RESULT( "jstr" long VARCHAR )  
BEGIN  
    DECLARE "loopcnt" INTEGER;  
    DECLARE "rv" long VARCHAR;  
    DECLARE LOCAL TEMPORARY TABLE "collrecords"(  
        "collectionid" CHAR(20) NULL,  
        "parentid" CHAR(20) NULL,  
        "Indent" INTEGER NULL,  
        "pstr" long VARCHAR NOT NULL,  
        "ino" INTEGER NULL,  
        "pno" INTEGER NULL,  
        PRIMARY KEY("pstr"),) NOT transactional;INSERT INTO "Collrecords"(  
"CollectionID","Parentid","Indent","pstr" ) SELECT  
"CollectionID","Parent",0,'0001' FROM "collection" WHERE "collectionid" =  
"pcollection";  
    SET "loopcnt" = 0;  
    while "loopcnt" < 20 loop  
        INSERT INTO "Collrecords" ( "CollectionID","Parentid","Indent","pstr" )  
        SELECT  
"C"."CollectionID","C"."Parent","loopcnt"+1,"string"("cc"."pstr","right"("st  
ring"('0000',"number"()),4))  
        FROM "collection" AS "c" JOIN "Collrecords" AS "cc"  
ON("cc"."collectionid" = "c"."parent") AND "indent" = "loopcnt" ORDER BY  
"c"."sortorder" ASC;  
        SET "loopcnt" = "loopcnt"+1  
    END loop;  
    UPDATE "Collrecords" SET "ino" = "number"() FROM "Collrecords" ORDER BY  
"pstr" ASC;  
    SELECT "pstr" INTO "rv" FROM "collrecords" WHERE "indent" = 0;  
    UPDATE "Collrecords" AS "cc"  
    SET "pstr"  
    = (SELECT
```



```
"c"."CollectionID", "c"."ParentID", "ccc"."Name", "ccc"."StaffID", "ccc"."IDType",
"ccc"."ID", "ccc"."Notes", "ccc"."SortOrder",
    IF "ccc"."idtype" = 'I' THEN
        "IsNull"((SELECT "documenttype" FROM "iqacddocument" WHERE
"documentid" = "ccc"."id"), 'Invoice')
    ELSE "CollectionGetItemTypeNames"("ccc"."IDType")
    endif AS
"ItemTypeDescription", "CollectionItemDescription"("c"."collectionid", "ccc"."
idtype", "ccc"."id") AS "ItemDescription",
    CASE "ccc"."idtype"
    WHEN 'E' THEN (SELECT "companyid" FROM "employment" WHERE
"employmentid" = "ccc"."id")
    WHEN 'I' THEN (SELECT "ourref" FROM "iqacddocument" WHERE "documentid" =
"ccc"."id")
    WHEN 'T' THEN (SELECT "serialnumber" FROM "temptimesheet" WHERE
"temptimesheetid" = "ccc"."id")
    ELSE ''
    END AS "ID2", "Indent",
    NULL AS "nodes"
    FROM "collrecords" AS "c" JOIN "collection" AS "ccc"
ON ("ccc"."collectionid" = "c"."collectionid") WHERE "c"."ino" = "cc"."ino"
FOR json raw);
    UPDATE "collrecords" SET "pstr" =
"replace"("replace"("pstr", '[{', '{'), '}', '});
    while "loopcnt" >= 0 loop
        UPDATE "collrecords" AS "cc"
        SET "pstr"
        =
"replace"("pstr", '"nodes":null', "string('\"nodes\":', 'isnull'(\"nullif\"(\"strin
g\"('[, (SELECT \"list\"(\"pstr\", ',') FROM \"collrecords\" AS \"c\" WHERE
\"c\".\"parentID\" = \"cc\".\"collectionid\"), ')]', '[ ]'), 'null')) WHERE \"indent\" =
\"loopcnt\";
        SET "loopcnt" = "loopcnt"-1
    END loop;
    SELECT "string"('[, \"pstr\", ']') FROM "collrecords" WHERE "indent" = 1
END
GO

COMMENT TO PRESERVE FORMAT ON PROCEDURE
"pears"."CollectionAllChildrenJsonTree" IS
'create procedure CollectionAllChildrenJsonTree

/* Application Maintained Function / Procedure - DO NOT EDIT*/

(in pcollection char(20))
result (jstr long varchar)
begin
    declare loopcnt integer;
```



```
declare rv long varchar;
declare local temporary table collrecords(collectionid char(20), parentid
char(20), Indent integer, pstr long varchar, ino Integer, pno Integer,
primary key(pstr)) not transactional;
Insert into Collrecords (CollectionID,Parentid,Indent, pstr)select
CollectionID,Parent, 0, ''0001'' from collection where collectionid
=pcollection;
set loopcnt =0;
while loopcnt < 20 LOOP
    Insert into Collrecords (CollectionID,Parentid, Indent, pstr)
        select C.CollectionID,C.Parent,loopcnt +1, string(cc.pstr,
right(string(''0000'', number()),4))
        from collection c join Collrecords cc on (cc.collectionid = c.parent)
and indent = loopcnt order by c.sortorder;
    SET loopcnt = loopcnt + 1;
end LOOP;
update Collrecords set ino = number() from Collrecords order by pstr;
select pstr into rv from collrecords where indent = 0;
update Collrecords cc set pstr =(
select
c.CollectionID,c.ParentID,ccc.Name,ccc.StaffID,ccc.IDType,ccc.ID,ccc.Notes,c
cc.SortOrder,
    if ccc.idtype = 'I' then
        Isnull( (select documenttype from iqacdocument where documentid =
ccc.id) , 'Invoice')
    else CollectionGetItemTypeName (ccc.IDType) end if as
ItemDescription ,
    CollectionItemDescription (c.collectionid, ccc.idtype, ccc.id) as
ItemDescription,
    case ccc.idtype
        when 'E' then (select companyid from employment where
employmentid = ccc.id)
        when 'I' then (select ourref from iqacdocument where documentid
= ccc.id)
        when 'T' then (select serialnumber from temptimesheet where
temptimesheetid = ccc.id)
        else ''
    end case as ID2 , Indent,
    null as nodes

from collrecords c join collection ccc on (ccc.collectionid =
c.collectionid) where c.ino = cc.ino for json raw) ;
update collrecords set pstr = replace(
replace(pstr,'[{','{''),'}'],'}');

while loopcnt >=0 LOOP
    update collrecords cc set pstr =
```



```
replace(pstr, '"nodes":null' , string('"nodes":', isnull(
nullif(string('[',(select list(pstr,',') from collrecords c where
c.parentID = cc.collectionid),']'), '[']') , 'null')) where indent
= loopcnt; SET loopcnt = loopcnt - 1;
end LOOP;
select string('[' , pstr, ']') from collrecords where indent =1;
end'
```

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