CREATE TABLE spectable (

id integer primary key,

tableName varchar,

columnName varchar,

maxValue integer

);

INSERT INTO spectable VALUES (1, 'spec', 'id', 1);

CREATE or replace FUNCTION increment(table\_name varchar, column\_name varchar) RETURNS integer

LANGUAGE plpgsql

AS

$hp1$

declare

spec\_ record;

BEGIN

select spectable.id , spectable.maxValue

from spectable

where tableName=table\_name and columnName=column\_name into spec\_;

if spec\_.maxValue > 10 then RAISE NOTICE 'Превышен максимум 10, максимум увеличен';

end if;

if spec\_.id is null then

execute format('select max (%s) from %s;',quote\_ident(column\_name),quote\_ident(table\_name)) into spec\_.maxValue;

if(spec\_.maxValue is null) then

insert into spectable(id,tableName,columnName,maxValue) values (increment('spec','id'),table\_name,column\_name,1);

return 1;

end if;

insert into spectable(id,tableName,columnName,maxValue) values (increment('spec','id'),table\_name,column\_name,(spec\_.maxValue+1));

return (spec\_.maxValue+1);

end if;

update spectable set maxValue=maxValue+1 where spectable.id=spec\_.id returning spectable.maxValue into spec\_.maxValue;

return spec\_.maxValue;

END

$hp1$;

select increment('spec','id');

select \*from spectable;

select increment('spec','id');

select \*from spectable;

CREATE TABLE test (

id int NULL

);

insert into test (id) values(10);

select increment('test','id');

select \*from spectable;

select increment('test','id');

select \*from spectable;

CREATE TABLE test2(

num\_value1 integer,

num\_value2 integer

);

select increment('test2','num\_value1');

select \*from spectable;

select increment('test2','num\_value1');

select \*from spectable;

insert into test2 (num\_value1, num\_value2) values (2,13);

select increment('test2','num\_value2');

select \*from spectable;

DROP FUNCTION increment(table\_name varchar, column\_name varchar);

drop table spectable;

drop table test;

drop table test2;