

phpBB

forum software

CSPro Users Forum

A place to discuss the Census and Survey Processing System

Search...

Q

⚙

☰ Quick links

🔗 FAQ

🔔 Notifications

htuser ▾

🏠 Board index

< Entry

Cascading sequential numbering

Post Reply ↩

🔧 ▾

Search this topic...

Q

⚙

6 posts • Page 1 of 1

Cascading sequential numbering

! “

📄 by **mussabahire** » May 5th, 2025, 8:50 am

Hello Cspro users.

I have a case where I will number concessions and households.

The concession number will depend on the number of households in it. And the households are sequential within a concession. Is there a cspro function which can do that?

ATTACHMENTS

concession_id	num_hh_in_concessi	household_id
1	1	1
2	3	1
2	3	2
2	3	3
3	2	1
3	2	2
4	1	1
5	4	1
5	4	2
5	4	3
5	4	4

rosterIDs.png (29 KiB) Viewed 179 times

mussabahire

Posts: 57

Joined: September 5th, 2016, 4:55 am

Contact: 💬

Re: Cascading sequential numbering

✎ ! “

📄 by **htuser** » May 6th, 2025, 11:18 am

Hello,

One the the approach (I implemented in the attached example [TEST_Incrementation.zip](#) (11.98 KiB) Downloaded 4 times) is to use SQLQuery.

Try to adapt this posted example on what you want to do and if you have some issues, please let me know by posting a small apps on this forum.

Best,

htuser

Posts: 668

Joined: December 19th, 2011, 7:26 pm

Location: Silver Spring Area, MD, USA

Contact: 💬

G.VOLNY, a CSProuser from Haiti, since 2004

Re: Cascading sequential numbering

by [mussabahire](#) » May 7th, 2025, 12:22 am

Here is the application.

You can have a look and help me with sequential numbering.

Thank you.

ATTACHMENTS

[SEQ.zip](#)

(27.08 KiB) Downloaded 3 times

[mussabahire](#)

Posts: 57

Joined: September 5th, 2016, 4:55 am

Contact: [...](#)

Re: Cascading sequential numbering

by [htuser](#) » May 7th, 2025, 2:12 pm

I did some changes and I preferred using pure CSPro logic, because requires less coding than the SQL approach. I also did a basic change in the dictionary because it ensure more data integrity:

a) concession roster is record limited to the number of concessions defined in CONC.

b) household roster record is limited to HHINCONCESSION defined in the Concession roster.

Please test it

[SEQ_Modified_GV.zip](#)

(9.76 KiB) Downloaded 6 times

and let me know if it is correct.

To the CSPro Developer Team, I discovered that list and array defined at the Roster Proc level are not recognized in any items relative of this roster... This behavior should be a bug.

Best

Last edited by [htuser](#) on May 10th, 2025, 9:44 pm, edited 1 time in total.

G.VOLNY, a CSProuser from Haiti, since 2004

[htuser](#)

Posts: 668

Joined: December 19th, 2011, 7:26 pm

Location: Silver Spring Area, MD, USA

Contact: [...](#)

Re: Cascading sequential numbering

by [htuser](#) » May 8th, 2025, 8:43 am

I did minor improvements to the logic to :

a) End the roster when all the individuals of each household are recorded in the HOUSEHOLD_RECORD000 roster;

b) Give a direct way to fill HOW_MANY_INDIVIDUAL because other fields are automatically populated;

c) Correct the comment about list, array defined in the Preproc of the Roster Proc are not recognized by Roster's items.

```
/* Application 'SEQUENTIAL' logic file generated by
CSPro */
PROC GLOBAL
```

[htuser](#)

Posts: 668

Joined: December 19th, 2011, 7:26 pm

Location: Silver Spring Area, MD, USA

Contact: [...](#)

```
PROC SEQUENTIAL_FF
```

```
PROC CONCESSION_ID
```

```
Preproc
```

```
if curocc()>CONC then
    errmsg ("No more concession!!!");
endgroup;
endif;
```

```
do numeric i = 1 while i <= CONC
    if curocc()=1 then
        $=curocc();
    else $= $(curocc()-1) + 1;
    endif;
enddo;
```

```
PROC HOUSEHOLD_RECORD000
```

```
Preproc
```

```
advance to HOW_MANY_INDIVIDUAL(1);
```

```
PROC CONCESSION_ID_1
```

```
Preproc
```

```
//Why list and array declared
HOUSEHOLD_RECORD000 are not recognized by roster's
items?
```

```
list numeric concessionNumber;
array numeric householdByConcession(30,2);
householdByConcession.clear();
```

```
do numeric i =1 while i<=CONC
    if HHINCONCESSION(i)>0 then
```

```
householdByConcession(i,1)=CONCESSION_ID(i);
```

```
householdByConcession(i,2)=HHINCONCESSION(i);
    endif;
enddo;
```

```
numeric nRow=tblrow (householdByConcession);
concessionNumber.clear();
do numeric i=1 while i<= nRow
    do numeric j=1 while j<=
```

```

householdByConcession(i,2)

concessionNumber.add(householdByConcession(i,1));
    enddo;
enddo;

do numeric i = 1 while i <=
concessionNumber.length()
    CONCESSION_ID_1(i)= concessionNumber(i);
enddo;

//Onfocus
if curocc()>concessionNumber.length() then
    errmsg ("No more Household!!!");
endgroup;
endif;

Postproc

    advance to HOW_MANY_INDIVIDUAL;

PROC HOUSEHOLD_ID

Preproc

    numeric i=curocc();
    if i=1 then
        $=1
    elseif i>1 and CONCESSION_ID_1(i-1)
<>CONCESSION_ID_1(i)
        then
            $=1
        else
            $ = $(i-1) + 1;
        endif;

PROC HOW_MANY_INDIVIDUAL

Postproc

    advance to HOW_MANY_INDIVIDUAL(curocc()+1);

```

You can copy and paste this logic in the demo app.
Best

G.VOLNY, a CSProuser from Haiti, since 2004

Re: Cascading sequential numbering

by **mussabahire** » May 10th, 2025, 7:40 am



mussabahire

Posts: 57

Joined: September 5th, 2016, 4:55 am

Thanks, This is what I wanted.
Only if it can be in one roster.

Contact: 



Post Reply 



6 posts • Page **1** of **1**

< [Return to "Entry"](#)

 [Board index](#)

 [Contact us](#)

 [The team](#)

 [Members](#)

 [Delete cookies](#)

All times are UTC-04:00

Powered by [phpBB®](#) Forum Software © phpBB Limited

[Privacy](#) | [Terms](#)