

Database - Bug #5954

FOR EACH in FWD behaves differently than in 4GL when UDF raises an error

01/07/2022 11:01 AM - Igor Skornyakov

Status:	New	Start date:	01/07/2022
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#2 - 01/07/2022 11:09 AM - Igor Skornyakov

- File foreach-tmp.p added

Consider the following test program (attached):

```
define temp-table udfctest
  field id as integer
  field fdate as date
  field fmt as character
  field fstr-result as character
  index pk as primary id
.

create udfctest. id = 1. fdate = date(07, 19, 2021). fmt = '999999'. fstr-result = "071921".
create udfctest. id = 2. fdate = date(07, 19, 2021). fmt = '99999999'. fstr-result = "07192021".
create udfctest. id = 3. fdate = date(07, 05, 2021). fmt = '9.9.99'. fstr-result = "7.5.21".
create udfctest. id = 4. fdate = date(07, 05, 2021). fmt = '99999'. fstr-result = ?.
create udfctest. id = 5. fdate = date(07, 15, 2021). fmt = '99.999.9999'. fstr-result = "10.015.2021".
create udfctest. id = 6. fdate = date(07, 15, 2021). fmt = '99.9999.9999'. fstr-result = "10.0015.2021".

OUTPUT TO foreach-tmp.txt.
def var err-flag as logical no-undo.

outer:
do on stop undo, leave outer:
  FOR EACH udfctest NO-LOCK WHERE string(fdate, fmt) = fstr-result :
    message 'inside loop'.
    err-flag = false.
    message udfctest.id ERROR-STATUS:ERROR ERROR-STATUS:NUM-MESSAGES AVAILABLE udfctest.
  END.
end.
message 'done' err-flag.

OUTPUT CLOSE.
```

For the record with id == 4 string(fdate, fmt) raises an error.
With 4GL the output is:

```
inside loop
1 no 0 yes
inside loop
2 no 0 yes
inside loop
3 no 0 yes
```

```
** Date format 99999 is incomplete. (154)
done no
```

As we can see the first 3 records are retrieved.

With FWD the output is:

```
inside loop
1 no 0 yes
** Date format 99999 is incomplete. (154)
done no
```

The same test with a permanent table with FWD fails immediately (no records are processed).

Files

foreach-tmp.p	1.11 KB	01/07/2022	Igor Skornyakov
---------------	---------	------------	-----------------