



SEDNOVE

Sncode/Extenso

pierre.Laplante@sednove.com

2020-08-21

Course #11

Course #11

- Reminder for loop
- callback
- while
- do until
- widget configuration

Callback functions: common mistake

What will be the result of:

```
for i in sql("select username from sed_login_user") do;  
    i; " ";  
endfor
```

```
{"key": "sql", "nbrows": 8, "value": "select username  
from sed_login_user"}
```

...

Other callback functions: split

- split

```
for i split(delimiter:";", "1;2;3;4;5") do
```

```
  i; " ";
```

```
endfor
```

```
// return 1 2 3 4 5
```

Callback functions : splitre

- split a string based on a regular expression
- What is a regular expression:

*"A **regular expression** (shortened as **regex** or **regexp**;^[1] also referred to as **rational expression**)^{[2][3]} is a sequence of characters that define a search pattern. Usually such patterns are used by string searching algorithms for "find" or "find and replace" operations on strings, or for input validation. It is a technique developed in theoretical computer science and formal language theory"*

Callback functions : splitre

- Examples: [-] match space or -

```
for i splitre(re:"[ -]",value:"514 945-1779") do
    i; " ";
endfor
```

- return :

```
{"data":["514","945","1779"],"nbrows":3,"value":"514"}
{"data":["514","945","1779"],"nbrows":3,"value":"945"}
{"data":["514","945","1779"],"nbrows":3,"value":"1779"}à
```

Callback function : explode

```
for i explode("-", "123-456-7890") do
i; " ";
endfor
// return
{"nb":0,"nbrows":3,"value":"123","array":["123","456","7890"]}
{"nb":1,"nbrows":3,"value":"456","array":["123","456","7890"]}
{"nb":2,"nbrows":3,"value":"7890","array":["123","456","7890"]}
```

Callback functions : explode

```
for i explode("-", "123-456-7890", "2") do
    i.value; " ";
endfor
return
123 456-7890
```


Callback functions : select

```
for i
select(tables:"sn_users",fields:"uid,username")
do
    i.rows; " ";
endfor
// return
{"username":"chantal","uid":"2"}
{"username":"laplante","uid":"1"}
{"username":"macbea","uid":"3"}
```

Sncode : Loop while expr do ... endw

```
a = [ 2, 5, 7, 10];  
found = false;  
n=0;  
while !found do  
    if a[n] == 7 then  
        found = true;  
    else  
        n++;  
    endif  
endw  
if found then "Found at position "; n; endif
```