SEDNOVE
Sncode/Extenso

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Course #6

- What we have seen so far:
  - How to use IDE in Extenso
  - Sncode's type
    - Integer
    - Float
    - String
    - Array
    - Associative Array / hash array / context / JSON
  - Extenso introduction
  - Creating a widget

Exercice

- Create your widget W1
- Create another widget W2 that will display the current datetime()
- When you reload the widget, does it display the current time ?
- Why
- Dynamic / static widget
- When you generate a widget the code of the widget is executed and the resulting widget is compiled
- So how to you make the code dynamic: use \ in front of {{
- \{{ datetime() }}

Exercice

- Create another widget w3:
  - Display date & time when the widget is generated
  - Display current date & time

- Create a widget w4 that will display:
  <h1>H1</h1>....<h6>...</h6> with a loop in Sncode
  - A loop can be done with
    while i<6 do ... endw
  - Or
    for(i=1;i<=6;++i) do .... endfor

Exercice

- Create a widget that will display in a table:

  username firstname lastname email number of login (right align)

- To get the data:

data = sql("select username, firstname, lastname, email, nb_login from sed_login_user order by username");

- A table can be build in boostrap:
  https://getbootstrap.com/docs/4.0/content/tables/

Sncode & database

- By default, Extenso's site are always connected to a specific database.
- Multiple functions in library:
    - sql : general sql function
    - insert : insert in a table
    - update : update tables
    - delete : delete from table
    - lastuid : return the lastuid after an insert
    - quote : quote a string
    - connect : connect to a different database
    - disconnect : disconnect from database

Sncode & database

- By default Extenso is connected to a mariadb database
- SQL command uses normal SQL language
- For example to create a table:

```
sql("create table clients(name varchar (20) not null,
age int not null, address varchar (25) );");


insert(table:"clients",fields:{
   "name": "pierre","age":32,"address":"439"
});
```

Exercice

- Create a widget to use the table
  - select * from clients;
- Build widget with a form to save in this table
- Build a new widget to display the information in this new table

Extenso : How we build table

- Go to CMS / dev / Database managment / List tables
- Click add to add a new table
- When you generate
  - a new table is created
  - multiple pages are created to
    - add/edit items to the table
    - list data in the table
    - delete data in the table
    - export data in the data
    - import data in the table

Exercice

- Create a new table call test1
  - firstname varchar
  - lastname charchar
  - salary double
- Insert data in this table
- Create a widget to display the data in this table

```
sql("select * from test1");
```