Sncode/Extenso

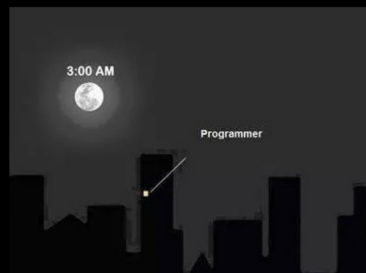pierre.Laplante@sednove.com

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Cours #9

Course #9

- What we have seen in course #8
  - save a form in ajax
  - file operators
  - binary operators
  - compound operators
  - loop
  - callbacks
  - flush, get_output clear_output

Course #9

- What we will see in this course:
  - Exercices!!!!!
  - How to write an algorithm....

Exercice 1 course #9

- Write a widget that take in input:

  diameter

- And return the Circumference with the formula:

  $\pi \times$ diameter

- The widget must validate the input parameter

Exercice 2 course #9

- Modify the last widget to accept an additional parameter:

  - inch or centimeter
    - `<input type="radio" name="metric" value="inch">` Inches
    - `<input type="radio" name="metric" value="cm">` cm
- Display the result in the inch or centimeter depending on this value
- Always display the value in centimeter. So if the value is in inch
  - Display the result in each
  - Display the result in centimeter
- If the value is in centimeter, display only the result in centimeter

Exercice #3 Course #9

- Write a widget that take to input:
  - firstname
  - lastname
- And the widget will display the firstname in reverse and lastname in reverse

Exercice #4 Course #9

- Modify the last widget to display the statistic of each letter in a table:

  a: 10
  c: 5

  ...

Exerice #5 course #9

- Write a widget that take 3 parameter:
    - p1
    - p2
    - p3
- When you submit the form, verify that each parameter has a value (is not empty) and display ok or display the parameter that are not ok.

Exercice #6 course #9

- Modify the last widget to use 10 parameters instead

Exercice #7 course #9

- Modify the last widget to use 100 parameters instead

Exercice #8 course #9

- In the widget where you display the distribution of the letter instead of a table output, display an bar chart
- You can use a library or not :

  - https://www.chartjs.org/
  - https://www.highcharts.com/
  - https://www.anychart.com/blog/2017/10/25/javascript-bar-chart-tutorial/