

## TRAINING UNIT

## JAVASCRIPT-ALGORITHM

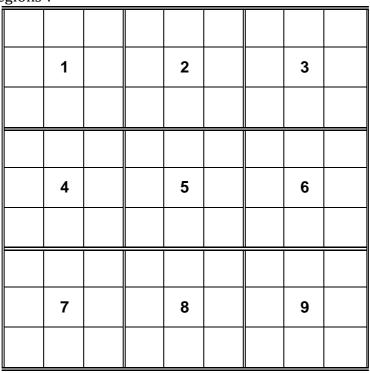
TEST - SUBJECT

page	1/2
Reference	Javascript_TTS0
	1
Version	1.0.0
Udapte	2020

# Exercise 3 (20 points): (reminder: to be done ine a 3<sup>rd</sup> specific \*.js file)

- 1- (4pt) Create a new function "F31" which calls the previous function "F21" for each line of the table "to\_check". Display a relevant error message in the event of an anomaly, indicating in particular the line number in error and the values of the stations on the line. (see question n ° 4 and example of the anomaly table in the annex).
- 2- (4pt) Repeat the previous operation with a "F32" function which processes each **column** in the "checkbox" table. (see question n  $^{\circ}$  4 and example of the anomaly table in the annex).
- 3- (4pt) Repeat the operation again with a function "F33" which deals with each **region** of the table "checkbox". (see question n ° 4 and example of the anomaly table in the annex)

Table regions:





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TEST - SUBJECT

page	2/2
Reference	Javascript_TTS0
	1
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- 4- (1+2+3pt) "F21" accepting an array as input, for each of questions 1 to 3 you will need to find a simple algorithm allowing you to put the values of the boxes to be checked in the form of a table of 9 positions before calling this function.
- 5- (2pt) Execute these functions via your HTML file "Main" which will use the 3 functions and check the display. (also leave the call to the functions created in exercise 1).

#### Example of expected display (if anomaly)

Line 2 incorrect	6	6	3	2	8	7	4	5	9
Column 3 incorrect	3	3	2	6	5	9	1	8	7
Region 1 incorrect	8	2	3	6	6	3	9	7	2

### Display example expected otherwise

→ the table is correct