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GENERALITAT
VALENCIANA
Conselleria d'Educació,
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L'FSE inverteix en el teu futur

UNIÓ EUROPEA

Unit 8. An introduction to JavaScript

Full name: _____

All the tasks have same marks.

You can use all kind of resources except to comunicate with other users.

Task 1: Math, events, operators

A. Write a JavaScript program to calculate the area of a circumference.

B. Write a program that copy while typing. When a button [Add] is pressed a new paragraph will be added.

Note: you cannot modify the HTML.

Task 2: Searching the DOM and array functions

Answer the following questions about `891-02.html` by using the DOM functions learnt in class:

1. The number of paragraphs on the page.
2. The text of the second paragraph.
3. The number of links on the page.
4. The address of the first link.
5. The address of the penultimate link.
6. The number of links pointing to https://en.wikipedia.org.
7. The number of links in the first paragraph.

Write the answers in div with id equals to `response`.

Note: you cannot modify the html.

Task 3: Input elements and DOM manipulation

Write a program that given a number `n` and a type of input (`checkbox`, `radio` or `text`) creates it with random values from 1 to 10.

Task 4: Objects and localStorage

Write a program in order to create a todo list. Save each task in an object kwnowing that you need to save the `text`, the `priority` (1 - low, 2 i 3 - high), the status, `done` or undone (by default all tasks will be undone, that is `done` will be `false`).

Initialize at least 3 tasks. The tasks must survive to browser restart.

Once you add a task the todo list must be refreshed and the input controls cleared.