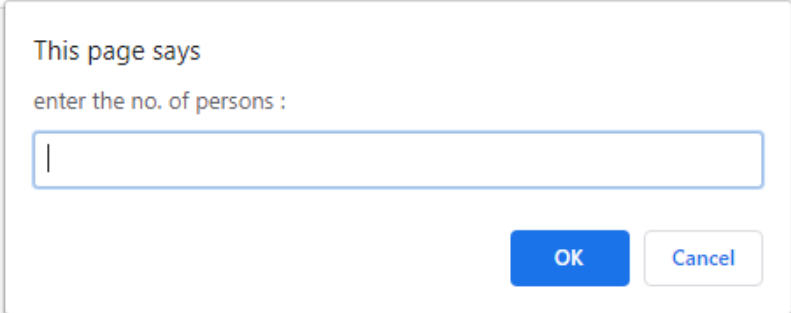# JavaScript Fundamentals day6

1. events

1. Make a button that display the current date and time in local format on the page.

2. Make a button on a page when user clicks it, ask him to enter math expression (Ex. 3+4*5/10*8), and then pass this expression (user input) to a function that take one parameter and execute this expression and then show the result of this expression for the user in an alert in that format: (You entered: 3+4*5, and the result is: 23).

2. DOM

1.1.a Ask the user for number of persons wanted to be entered (the value should be a number)
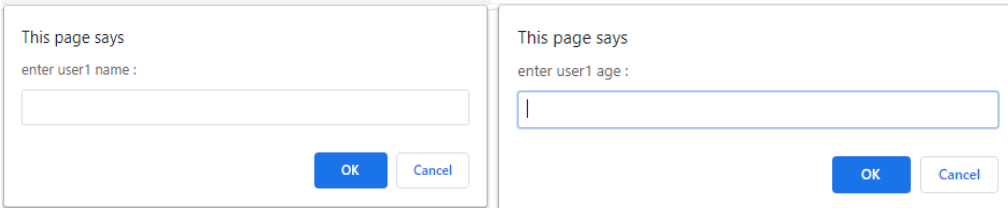

1.1.b then ask for users' information sequentially.

name length should be more than 3 and less than 10 characters

age: should be greater than 10 and less than 60.

1.1.c print users' information in HTML Table

Name	Age
hamada	25
ahmed	36
yasser	50

2. Clone HTML div when it is clicked and change the background of the new copy to a random color then append it to the body.

3. Simple Calculator.

Implement the required functions in an external file to let calculator.html works properly
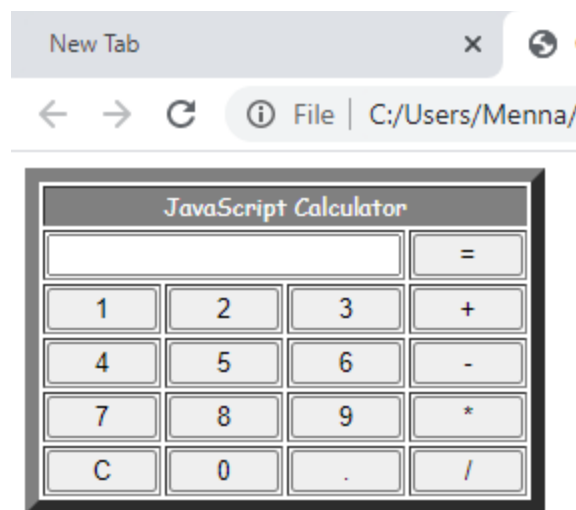
4. Apply different styles over a paragraph according to checked radio button.
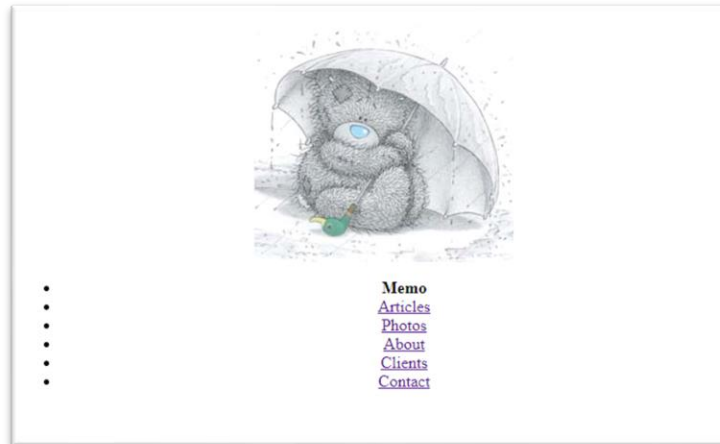
Implement the required functions in an external .js file to let TextStyle.html works properly

Here is a paragraph of text that has various alignment characteristics that can be changed dynamically. Click the radio buttons below to view combinations of text style settings.

fontFamily	textAlign	lineHeight	letterSpacing	textIndent	textTransform	textDecoration	textBorder	Bordercolor
● arial	● left	● normal	○ normal	● 0px	● none	○ none	○ none	○ none
○ courier	○ center	○ 10px	○ -1px	○ 5px	○ capitalize	● line-	○ dotted	○ pink
○ georgia	○ right	○ 15px	● 2px	○ 15px	○ uppercase	through	● dotted	○ red
○ impact	○	○ 1.5	○ 3px	○ 25px	○ lowercase	○ overline	○ double	○ green
○ times	justify					○ underline	○ groove	● blue
new roman							○ dashed	○ yellow
○ verdana							○ insert	○ purple
							○ solid	
							○ outset	
							○ ridge	

5. Given a web document as shown below in Fig. a, with only these few lines of code in shown in Fig. b. Using DOM Nodes to access, create, modify or remove any of its elements to have it finally as shown in Fig. c.

Fig. a

-
-
-
-
-
-

Memo
Articles
Photos
About
Clients
Contact

```
<div id="header">
        <img src ="hi.jpg" alt="hello" />
   </div>
   <div id="navigation">
        <ul id="nav">
                <li><strong>Memo</strong></li>
                <li><a href="Articles.html">Articles</a></li>
                <li><a href="Photos.html">Photos</a></li>
                <li><a href="About.html">About</a></li>
                <li><a href="Clients.html">Clients</a></li>
                <li><a href="Contact.html">Contact</a></li>
        </ul>
   </div>
```

Fig. b

Fig. c