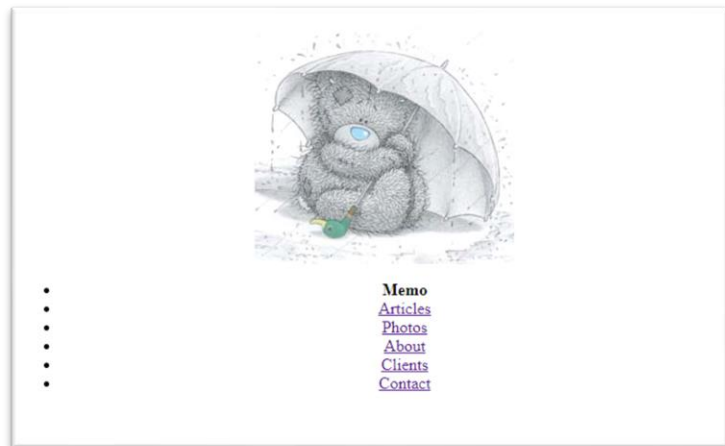


DOM

1. 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.
2. 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.

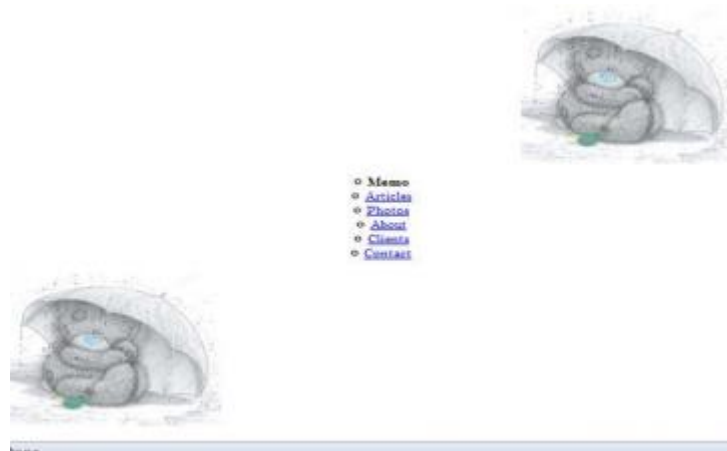
Fig. a



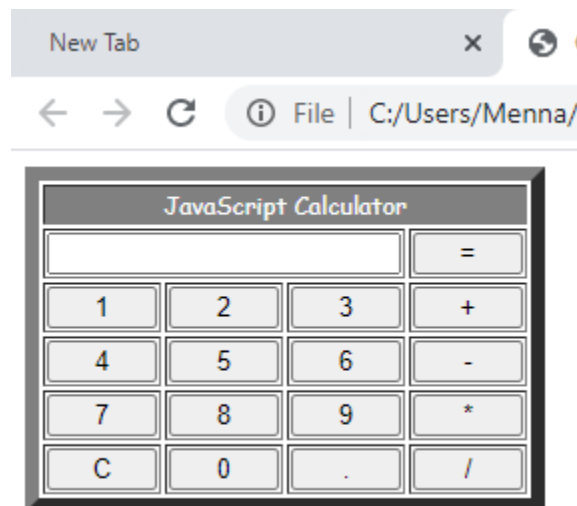
```
<div id="header">
  
</div>
<div id="navigation">
  <ul id="nav">
    <li><strong>Memo</strong></li>
    <li><a href="Articles.html">Articles</a></li>
    <li><a href="Photos.html">Photos</a></li>
    <li><a href="About.html">About</a></li>
    <li><a href="Clients.html">Clients</a></li>
    <li>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

Fig. b

Fig. c



3. Simple Calculator.
Implement the required functions in an external file to let calculator.html works properly



B. Event Object

1. Create a new page that has a textbox, and alert the code of key pressed on a textbox, and which mouse button clicked on it
2. Prevent context menu from being displayed by preventing from mouse right click from its action.
Note: context menu is the menu displayed when mouse right button is clicked.

3. Make your own input type number that accepts numbers only (do not use html 5 input type number).

C. Form validation

1. Create a simple form with Add and Reset buttons takes user's information (name age and email) with validation for each field and all fields are required.

Every time the user enters a right data and press Add button the data is displayed in the table as shown in fig 3

Name:
Age:
E-mail: this field is required

Name	Age	E-mail
------	-----	--------

Name:
Age:
E-mail: Not a valid e-mail
address

Name	Age	E-mail
------	-----	--------

Name:
Age:
E-mail:

Name	Age	E-mail
menna	23	aaa@aa.aaa
hanada	26	aaa@aa.aaa