

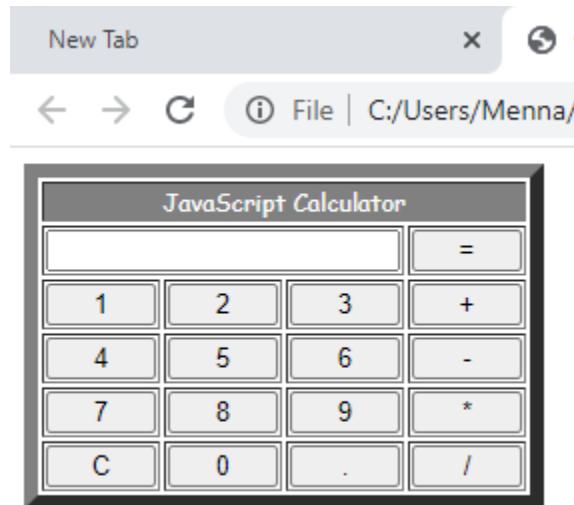
## JavaScript Fundamentals

### 1.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. Simple Calculator.

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



3. Apply different styles over a paragraph according to checked radio button.

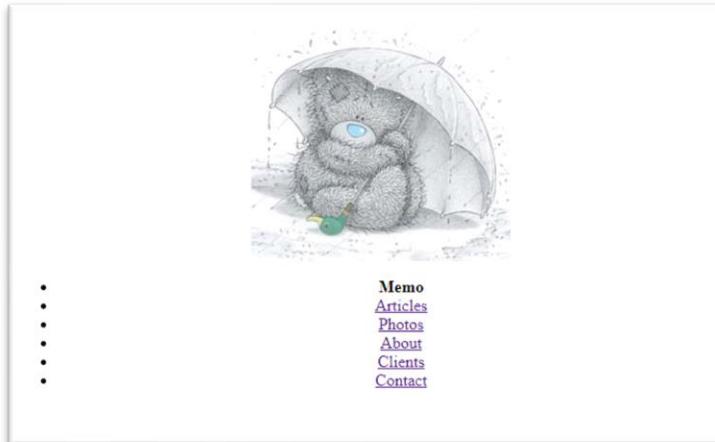
Implement the required functions in an external .js file to let TextStyle.html works properly

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
<input checked="" type="radio"/> arial	<input checked="" type="radio"/> left	<input checked="" type="radio"/> normal	<input type="radio"/> normal	<input checked="" type="radio"/> 0px	<input checked="" type="radio"/> none	<input type="radio"/> none	<input type="radio"/> none	<input type="radio"/> none
<input type="radio"/> courier	<input type="radio"/> center	<input type="radio"/> 10px	<input type="radio"/> -1px	<input type="radio"/> 5px	<input type="radio"/> capitalize	<input type="radio"/> line-through	<input type="radio"/> dotted	<input type="radio"/> pink
<input type="radio"/> georgia	<input type="radio"/> right	<input type="radio"/> 15px	<input checked="" type="radio"/> 2px	<input type="radio"/> 15px	<input type="radio"/> uppercase	<input type="radio"/> overline	<input checked="" type="radio"/> dotted	<input type="radio"/> red
<input type="radio"/> impact	<input type="radio"/>	<input type="radio"/> 1.5	<input type="radio"/> 3px	<input type="radio"/> 25px	<input type="radio"/> lowercase	<input type="radio"/> underline	<input type="radio"/> double	<input type="radio"/> green
<input type="radio"/> times	justify						<input type="radio"/> groove	<input checked="" type="radio"/> blue
new roman							<input type="radio"/> dashed	<input type="radio"/> yellow
verdana							<input type="radio"/> insert	<input type="radio"/> purple
							<input type="radio"/> solid	
							<input type="radio"/> outset	
							<input type="radio"/> ridge	

4. 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">
    <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

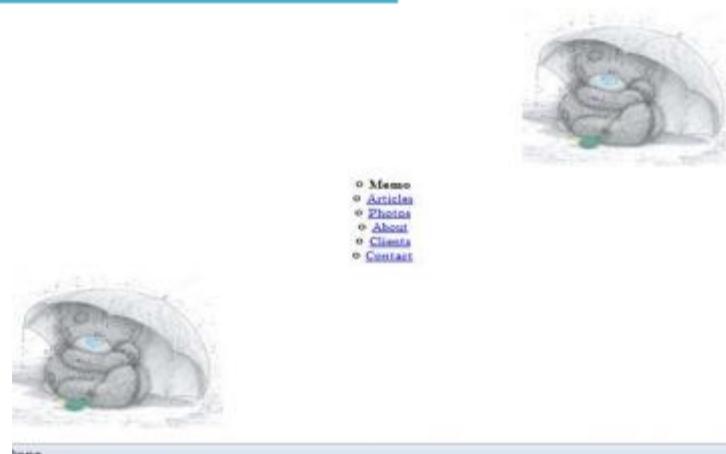


Fig. c