Module 3 & 4

7. Create a dropdown list using HTML. Write a JavaScript program to count and display the items of that dropdown list and display in an alert window.

8. Create a table in HTML code & Write a JavaScript code to perform following tasks.

1. Give an alternate background colors to rows.
2. Header should have bold font.
3. Give alternate text color to column elements.
4. Last element of each column should have italic font.
5. First element of each row should have underlined font style.

9. Design a simple calculator using basic HTML elements and implement the following functionalities: Use Unobtrusive approach for event handling.

1. Add, Subtract, Divide and multiply buttons to display values in result box. Note the values should be appended.
2. Clear button to clear the result box.
3. Result button to display final result in result box.

If possible show o/p for this assignment- after implementation.

10. Write a Javascript *program to handle event propagation for following HTML DOM structure*

i.e. div -> button -> img handle click event with **bubbling** *and also try and click event with* **capturing** *for following hierarchy.*

```
<div style="padding:30px;">
        <Button>
                <img src='SomeImage.jpg' style="width: 100px; height: 100px;"></img>
        </Button>
</div>
```

11.Create a Javascript program which will animate div from left to right and right to left once it reaches the end of browser window.(HINT: use setTimeout and / or setInterval functions)

12. Create one div having 6 images. Create one more div covering half of the webpage. Perform the following tasks using Javascript.

- Arrange thumbnails of Images horizontally in the first div.
- By clicking on any image, display that image in a second bigger div.
- Create one Button 'Toggle Transparency'. Click on this button will toggle the transparency of the same image in second div.
- You can use necessary DOM API.