Lab 4 - HTML, JavaSript, Cascade Style Sheet

Title:	Using HTML, JavaScript, CSS all together
Aim:	To use HTML JavaScript and CSS all together
Requirements:	Write a program which will perform the following tasks:

CSS is a set of specifications called rules that give you complete control over layout of a web page and appearance of the contents.
You have to implement 4 ways of adding CSS to a web page   i.e.

1) Change some HTML via JavaScript
2) Change some CSS via JavaScript
3) Linking an external CSS
4) Using External JavaScript

1.

```html
<!DOCTYPE html>
<html>
<body>

<p id="demo">JavaScript can change the style of an HTML element.</p>

<script>
function myFunction() {
    var x = document.getElementById("demo");
    x.style.fontSize = "25px";
    x.style.color = "red";
}
</script>

<button type="button" onclick="myFunction()">Click Me!</button>

</body>
</html>
```

2.

```html
<!DOCTYPE html>
<html>
<body>

<p id="demo">JavaScript can change HTML content.</p>

<button type="button"
onclick="document.getElementById('demo').innerHTML = 'Hello JavaScript!'">
Click Me!</button>

</body>
</html>
```

3.

```html
<!DOCTYPE html>
<html>
<body>
<h1>JavaScript Can Validate Input</h1>
<p>Please input a number between 1 and 10:</p>

<input id="numb">

<button type="button" onclick="myFunction()">Submit</button>
<p id="demo"></p>

<script>
function myFunction() {
    var x, text;
    // Get the value of the input field with id="numb"
    x = document.getElementById("numb").value;
    // If x is Not a Number or less than one or greater than 10
    if (isNaN(x) || x < 1 || x > 10) {
        text = "Input not valid";
    } else {
        text = "Input OK";
    }
    document.getElementById("demo").innerHTML = text;
}
</script>

</body>
</html>
```

4.

HTML

```html
<html>
<head>
    <title></title>
    <link rel="stylesheet" type="text/css" href="style.css">
    <script type="text/javascript" src="js/code.js"></script>
</head>
```

```html
<body onload=init()>
```

```html
<p id="demo"></p>

<script type="text/javascript">
    document.getElementById("demo").innerHTML = func(4,3);
</script>
```

CSS(style.css)

```css
body {
    background-color: #d0e4fe;
}

h1 {
    color: orange;
    text-align: center;
}

p {
```

JavaScript(code.js)

```javascript
function func(p1, p2){
        return p1 * p2;
    }

function init(){
    alert('init');
}
```

5.

```html
<!DOCTYPE html>
<html>
<body>

<p id="demo">JavaScript can change the style of an HTML element.</p>

<script>
function myFunction() {
    var x = document.getElementById("demo");
    x.style.fontSize = "25px";
    x.style.color = "red";
}
</script>

<button type="button" onclick="myFunction()">Click Me!</button>

</body>
</html>
```

Lab Ends.