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CSE3002 Internet Web Programming

LAB ASSESSMENT 3

Submitted by

Sanskrita Saha- 19BCB0059

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1. A mail-order house sells five different products whose retail prices are as follows: product 1, $2.98; product 2, $4.50; product 3, $9.98; product 4, $4.49; and product 5, $6.87. Write a script that reads a series of pairs of numbers as follows: 1. Product number 2. Quantity sold for one day Your program should use a switch statement to determine each product's retail price and should calculate and output HTML that displays the total retail value of all the products sold last week. Use a prompt dialog to obtain the product number and quantity from the user. Use a sentinel-controlled loop to determine when the program should stop looping and display the final results. If the user inputs an invalid product number a proper alert window shall be displayed.

Code:

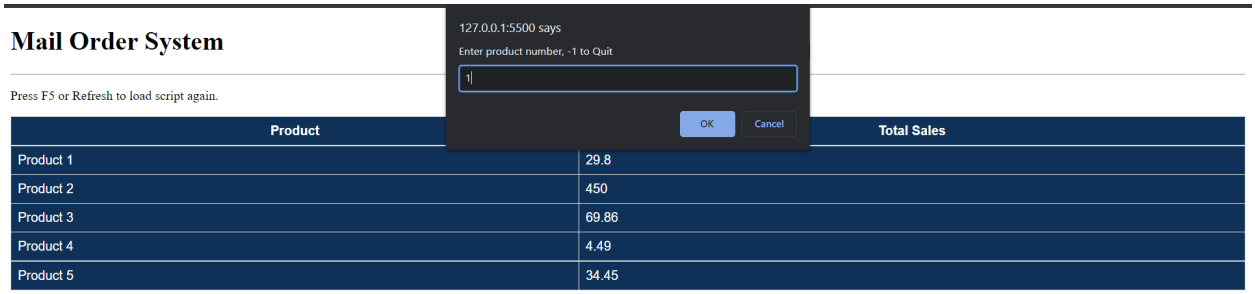
```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
        <title>Mail Order System</title>
        <style>
            table {
                font-family: arial, sans-serif;
                border-collapse: collapse;
                width: 100%;
            }
            td,
            th {
                border: 1px solid #dddddd;
                padding: 8px;
                background-color: #103157;
                color: #fff;
            }
            tr {
                background-color: #afd8f0;
                color: #103157;
            }
        </style>
    </head>
    <body>
        <h1>Mail Order System</h1>
        <hr />
        <p>Press F5 or Refresh to load script again.</p>
        <table>
```

```
            <tr>
                <th>Product</th>
                <th>Total Sales</th>
            </tr>
            <tr>
                <td>Product 1</td>
                <td>29.8</td>
            </tr>
            <tr>
                <td>Product 2</td>
                <td>450</td>
            </tr>
            <tr>
                <td>Product 3</td>
                <td>69.86</td>
            </tr>
            <tr>
                <td>Product 4</td>
                <td>4.49</td>
            </tr>
            <tr>
                <td>Product 5</td>
                <td>34.45</td>
            </tr>
        </table>
        <script type="text/javascript">
            var qty;
            var number = 0;
            var ans = 0;
            var counter = 0;
            var total = 0;
            number = window.prompt('Enter product number, -1 to Quit');
            number = parseInt(number);
            while (number != -1) {
                switch (number) {
                    case 1:
                        qty = parseInt(window.prompt('Enter number of
quantities sold for product-1:'));
                        ans = 29.8 * qty;
                        break;
```

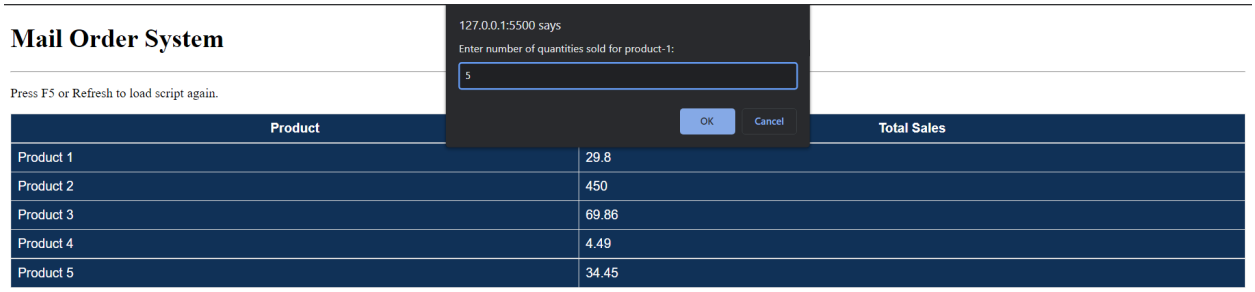
```
                    case 2:
                        qty = parseInt(window.prompt('Enter number of
quantities sold for product-2:'));
                        ans = 450 * qty;
                        break;
                    case 3:
                        qty = parseInt(window.prompt('Enter number of
quantities sold for product-3:'));
                        ans = 69.86 * qty;
                        break;
                    case 4:
                        qty = parseInt(window.prompt('Enter number of
quantities sold for product-4:'));
                        ans = 4.49 * qty;
                        break;
                    case 5:
                        qty = parseInt(window.prompt('Enter number of
quantities sold for product-5:'));
                        ans = 34.45 * qty;
                        break;
                    default:
                        window.alert('Wrong input, Please try Again!!!');
                }
                counter = counter + 1;
                total = total + parseInt(ans);
                number = window.prompt('Enter product number, -1 to
Quit');
                number = parseInt(number);
            }
            if (counter != 0) {
                document.writeln(
                    '<h1> Total Sales for the Last week is: $' + total +
'</h1>'
                );
            } else {
                window.alert('No product number is entered!');
            }
        </script>
    </body>
</html>
```

Output:

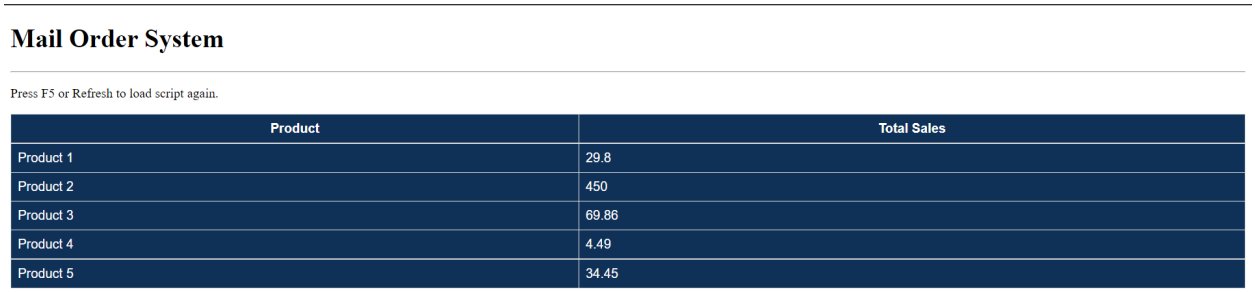
Taking Product's Input:



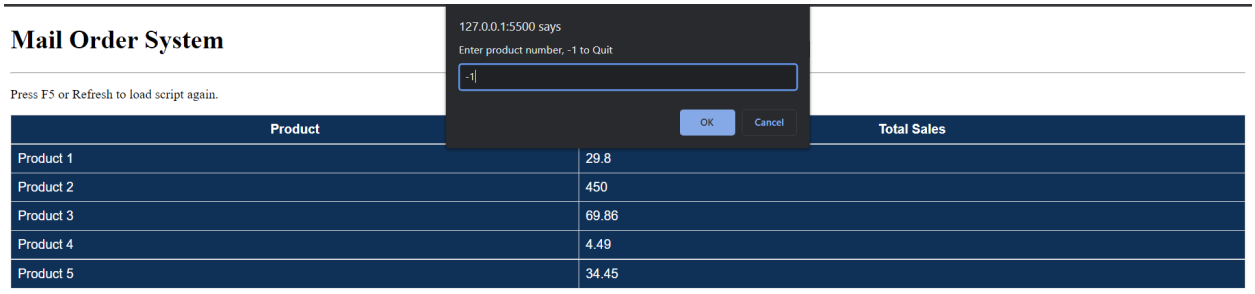
Taking Quantity's Input:



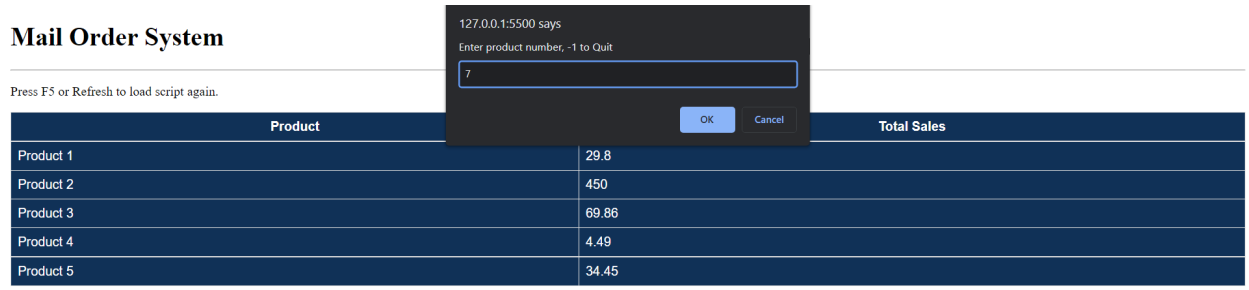
Total Sales:



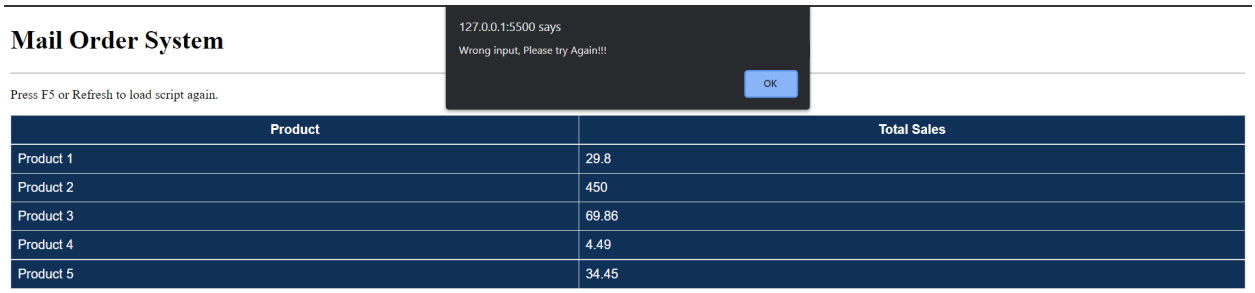
To Quit:



For Wrong Input:



Product	Total Sales
Product 1	29.8
Product 2	450
Product 3	69.86
Product 4	4.49
Product 5	34.45



Product	Total Sales
Product 1	29.8
Product 2	450
Product 3	69.86
Product 4	4.49
Product 5	34.45

2. Create a web page with an image on it, a paragraph on it, and a button. Now create a script (in your head section) that contains an array of pictures. It should also contain a button and function (Next). It displays the picture in the array at that variable number. So it will loop through the pictures in order, and when it gets to the end of the array, it should loop back to the beginning.
Now add another button and another function (Add). This function should allow you to add pictures to your array. The second button on your web page should call this second function. Make sure that if you add pictures to your array, the first function (Next) will work regardless of how many pictures you add.

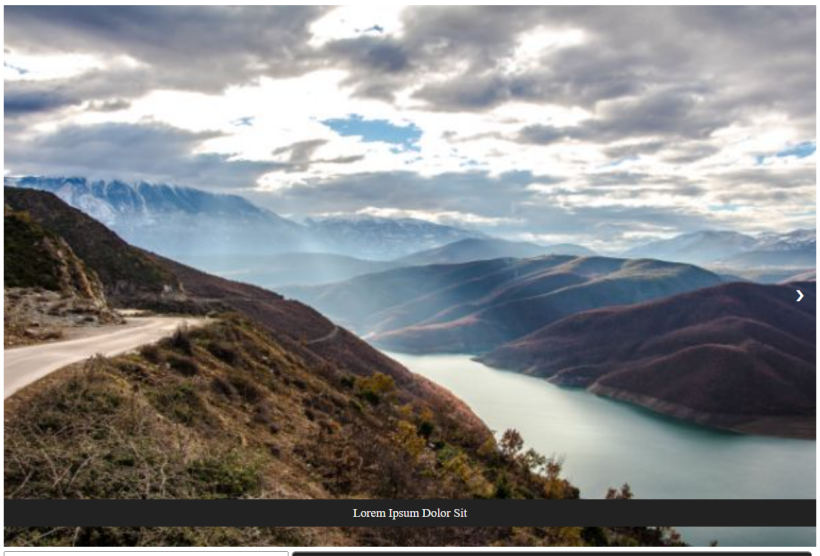
Code:

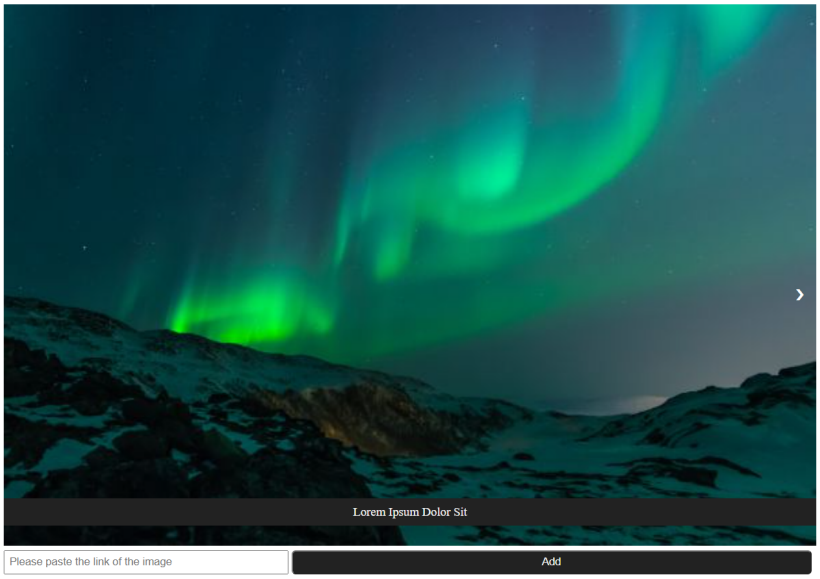
```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
        <title>Slideshow</title>
        <style>
            * {
                box-sizing: border-box;
            }
            img {
                vertical-align: middle;
            }
            .slideshow-container {
                max-width: 1000px;
                position: relative;
                margin: auto;
            }
            .text {
                color: #f2f2f2;
                background-color: #222;
                font-size: 15px;
                padding: 8px 12px;
                position: absolute;
                bottom: 60px;
                width: 100%;
                text-align: center;
            }
            .prev,
```

```
        .next {
            cursor: pointer;
            position: absolute;
            top: 50%;
            width: auto;
            padding: 16px;
            margin-top: -22px;
            color: white;
            font-weight: bold;
            font-size: 18px;
            transition: 0.6s ease;
            border-radius: 0 3px 3px 0;
            user-select: none;
        }
        .next {
            right: 0;
            border-radius: 3px 0 0 3px;
        }
        .prev:hover,
        .next:hover {
            background-color: rgba(0, 0, 0, 0.8);
        }
        .add{
            background-color: #222;
            color: #f2f2f2;
            width: 64%;
            padding: 5px;
            margin-top: 5px;
            border-radius: 5px;
        }
        input{
            width: 35%;
            padding: 5px;
        }
    </style>
    <script>
        const image = [
            'https://www.w3schools.com/w3css/img_lights.jpg',
            'https://www.w3schools.com/w3css/img_forest.jpg',
            'https://www.w3schools.com/w3css/img_snowtops.jpg',
```

```
            ];
            var i = 0;
            console.log(image.length);

            function next() {
                if (i === image.length) {
                    i = 0;
                }
                document.getElementById('image-show').src = image[i];
                i++;
            }

            function add() {
                var imgs = document.getElementById('get-image').value;
                image.push(imgs);
                console.log(imgs);
            }
        </script>
    </head>
    <body>
        <div class="slideshow-container">
            <div class="mySlides">
                <img
                    id='image-show'

src="https://www.w3schools.com/w3css/img_mountains.jpg"
                    style="width: 100%"
                />
                <div class="text">Lorem Ipsum Dolor Sit</div>
            </div>
            <a class="next" onclick="next()">&#10095;</a>
            <input id="get-image" type="text" placeholder="Please paste
the link of the image">
            <button class='add' onclick="add()">Add</button>
        </div>
    </body>
</html>
```

Output:


Lorem Ipsum Dolor Sit
Please paste the link of the image
Add


Lorem Ipsum Dolor Sit
Please paste the link of the image
Add

3. Design the page given below. Perform action as mentioned in the button (grey color) and print the result in a corresponding text box.

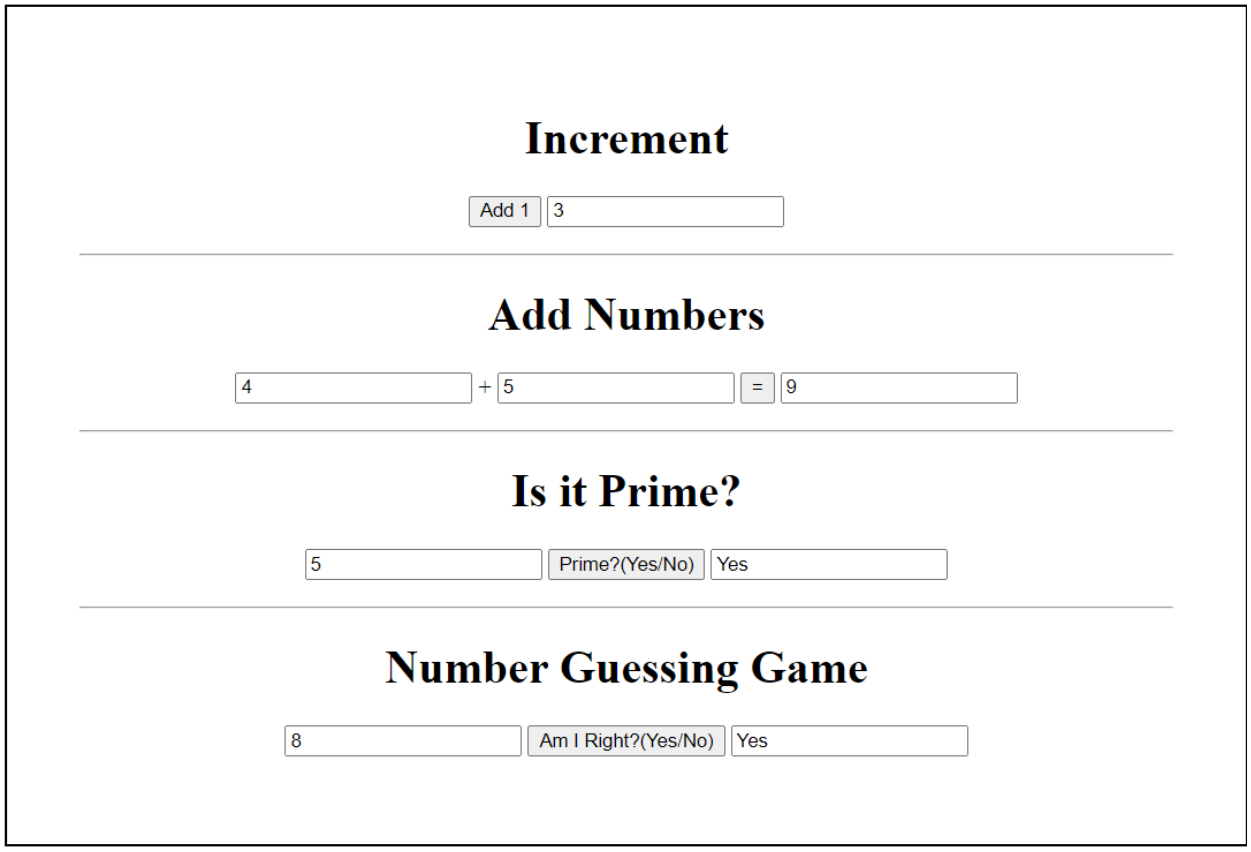
Code:

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
        <title>Perform Action</title>
        <style>
            .container{
                width: 50%;
                margin: 0 auto;
                border: 2px solid;
                padding: 50px;
            }
            body {
                text-align: center;
            }
            input{
                margin-bottom: 10px;
            }
        </style>
    </head>
    <body>
        <div class="container">
            <h1>Increment</h1>
            <button onclick="add1()">Add 1</button>
            <input type="text" id="number" value="0" />
            <hr />

            <h1>Add Numbers</h1>
            <input type="text" id="num1" />
            +
            <input type="text" id="num2" />
            <button onclick="add()">=</button>
            <input type="text" id="res" />
            <hr />
```

```
            <h1>Is it Prime?</h1>
            <input type="text" id="num" value="0" />
            <button onclick="prime()">Prime?(Yes/No)</button>
            <input type="text" id="prime" />
            <hr />

            <h1>Number Guessing Game</h1>
            <input type="text" id="n" value="0" />
            <button onclick="guess()">Am I Right?(Yes/No)</button>
            <input type="text" id="guess" />
        </div>

        <script>
            function add1() {
                var value =
parseInt(document.getElementById('number').value, 10);
                value = isNaN(value) ? 0 : value;
                value++;
                document.getElementById('number').value = value;
            }

            function add() {
                var a = parseInt(document.getElementById('num1').value,
10);
                a = isNaN(a) ? 0 : a;
                b = isNaN(b) ? 0 : b;
                var b = parseInt(document.getElementById('num2').value,
10);
                document.getElementById('res').value = a + b;
            }

            function prime() {
                var n = parseInt(document.getElementById('num').value,
10);
                n = isNaN(n) ? 0 : n;
                if (n <= 1) document.getElementById('prime').value = 'No';
                var flag = 0;
                for (var i = 2; i < n; i++) {
                    console.log(i);
```

```
                    if (n % i == 0) {
                        flag = 1;
                        break;
                    }
                }
                if (flag) {
                    document.getElementById('prime').value = 'No';
                } else {
                    document.getElementById('prime').value = 'Yes';
                }
            }

            function guess() {
                var ran = Math.floor(Math.random() * 10);
                var t=5;
                for(var i=1;i<=t;i++){
                    var n = parseInt(document.getElementById('n').value,
10);
                    n = isNaN(n) ? 0 : n;
                    if (n === ran) {
                    document.getElementById('guess').value = 'Yes';
                } else if(n>ran  && i!=k-1){
                    document.getElementById('guess').value = n+'is greater
than the number';
                }
                else if(n<ran  && i!=k-1){
                    document.getElementById('guess').value = n+'is smaller
than the number';
                }
                }
                if(i==5){
                    window.prompt('You have exhausted your trials')
                    document.writeln(
                    '<h6> The number was : ' + ran + '</h6>'
                );
                }
            }
        </script>
    </body>
</html>
```

Output:


Increment
Add 1
3
Add Numbers
4
+
5
=
9
Is it Prime?
5
Prime?(Yes/No)
Yes
Number Guessing Game
8
Am I Right?(Yes/No)
Yes