VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering

Register Number: 18BCE0745

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• Animation: Rolling the ball and box from bottomleft to bottom-right [Hint: bezier curve is used to customize animation timings]

Index.html

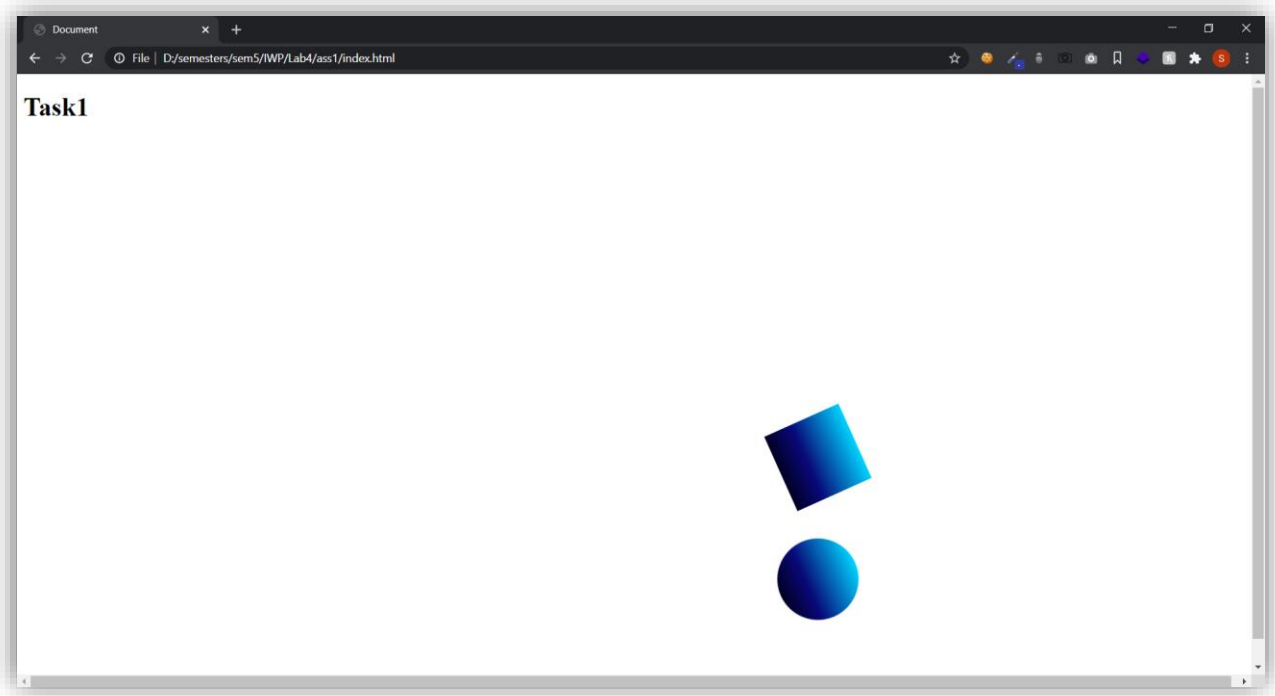
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="public\stylesheets\mian.css">
</head>
<body>
    <h1>Task1</h1>
    <div class="body">
        <div class="ball">

        </div>

        <div class="square">

        </div>
    </div>

</body>
</html>
```

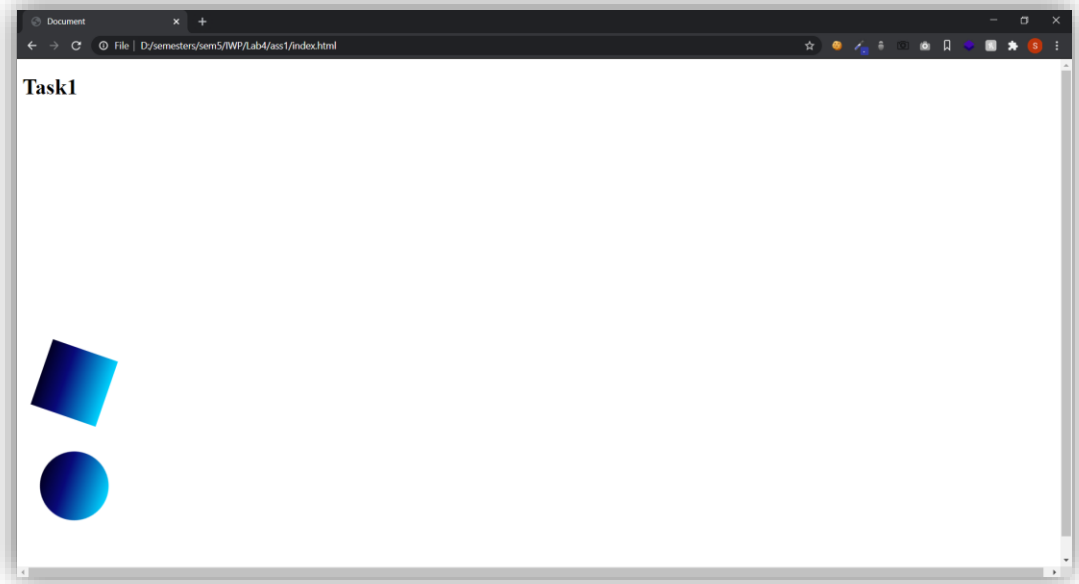
Main.css

```
body,html{
    width: 100%;
    height: 100%;
}

.body{
    height: 80%;
    display: flex;
    flex-direction: column-reverse;
}
.ball{
    margin-top:50px;
    width: 100px;
    height: 100px;
    /* background-color: red; */
    background: rgb(2,0,36);
background: linear-
gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);
    border-radius: 50%;
    /* box-shadow: inset 3px 3px 3px #000; */
   animation-name: hello;
   animation-duration: 3s;
   animation-iteration-count: infinite;
   animation-timing-function: cubic-bezier(0.075, 0.82, 0.165, 1);

}
.square{
    width: 100px;
    height: 100px;
    background-color: red;
    /* box-shadow: inset 3px 3px 3px #000; */
   animation-name: hello;
   animation-duration: 3s;
   animation-iteration-count: infinite;
   animation-timing-function: cubic-bezier(0.075, 0.82, 0.165, 1);
   background: rgb(2,0,36);
   background: linear-
gradient(90deg, rgba(2,0,36,1) 0%, rgba(9,9,121,1) 35%, rgba(0,212,255,1) 100%);

}
@keyframes hello{
    from{
       transform: translateX(0) rotatez(0);
```

```
    }
    to{
        transform: translateX(1200px) rotatez(900deg);
    }
}
```

Output:





Design below page. Apply CSS display and position properties.(relative,absolute,fixed,zindex,sticky,inline,block)

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="public\stylesheets\mian.css">
</head>
<body>
    <h1>Task2</h1>
    <h2>Sticky :</h2>
    <div class="sticky">
        Im sticky
    </div>
    <h2>Position Static :</h2>

    <div class="static">
Im positioned static
    </div>
    <h2>Position : Relative</h2>

    <div class="relative">
        Im postioned relative to my original position\

        <div class="absolute1">
      <h2>Position : Absolute</h2>

            Im postioned absolute that means relative to body or nearest non-
static position parent element(relative to nearest non static parent element)
        </div>
    </div>
    <div class="absolute2">
        <h2>Position : absolute</h2>

        Im postioned absolute that means relative to body or nearest non-
static position parent element (relative to body)
    </div>

    <div class="fixed">
        Im placed fixed to the html page
    </div>
```

```
    <h1>Display Inline</h1>

    <div class="inline">
        Everything is In line in this are inline
    wefwefwefwefwef <div class="div">Div1 we frw</div> <div>Div2 we</div> we wef
w e
    </div>
    <h1>Display Block</h1>

    <div class="block">
      wefwef  <span class="div">span1</span> wefwef<span>span2</span>wefw
    </div>

    <h1>Display Inline Block</h1>

    <div class="inlineblock">
        wefwefwefwefwef <div class="div">Div1 we frw</div> <div>Div2 we</div> we
wef w e
    </div>
    </div>
</body>
</html>
```

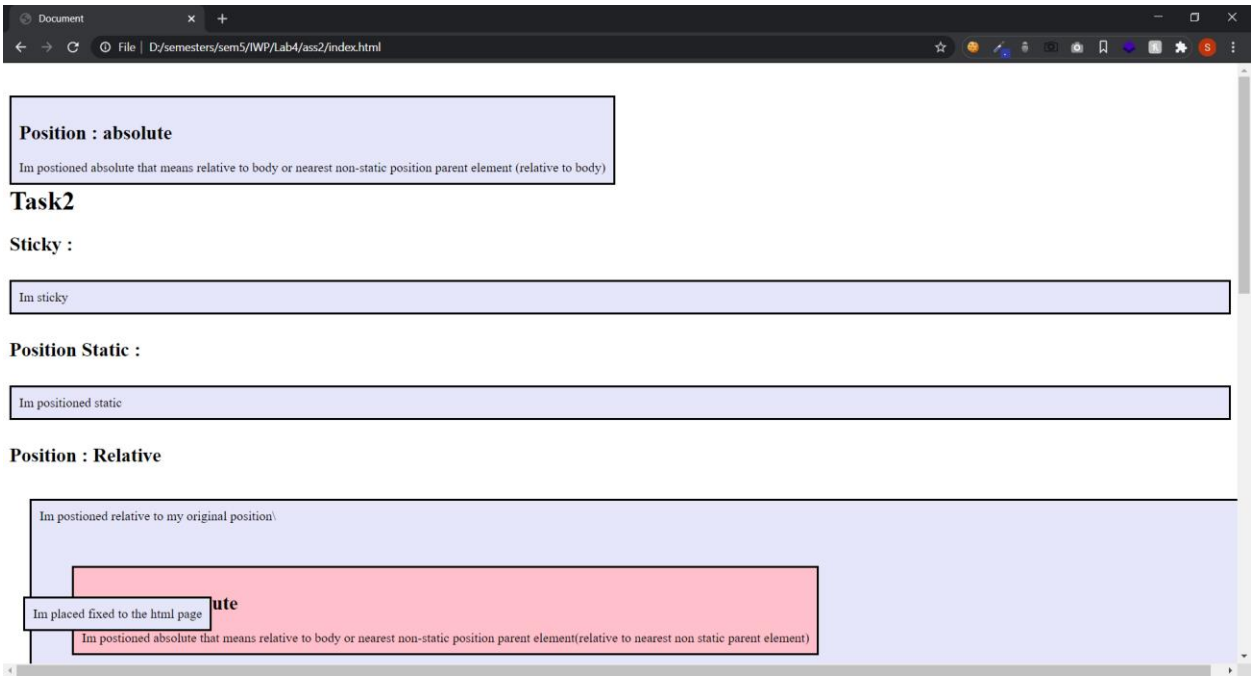
Main.css

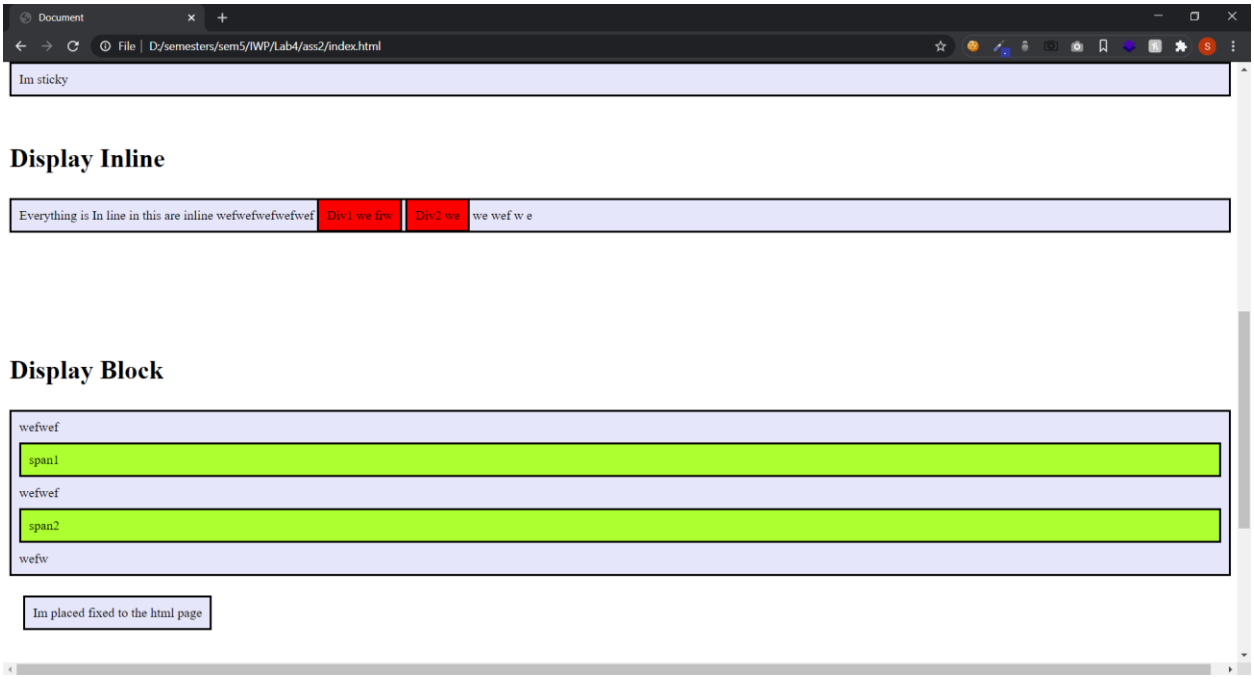
```
body,html{

    height: 120%;
}

div{
    padding:10px;
    background-color:lavender;
    margin: 30px 0;
    border: 2px solid black;
}
.inline div{
    padding:10px;
    background-color:red;
    margin: 10px 0;
    border: 2px solid black;

    display: inline;

}
```

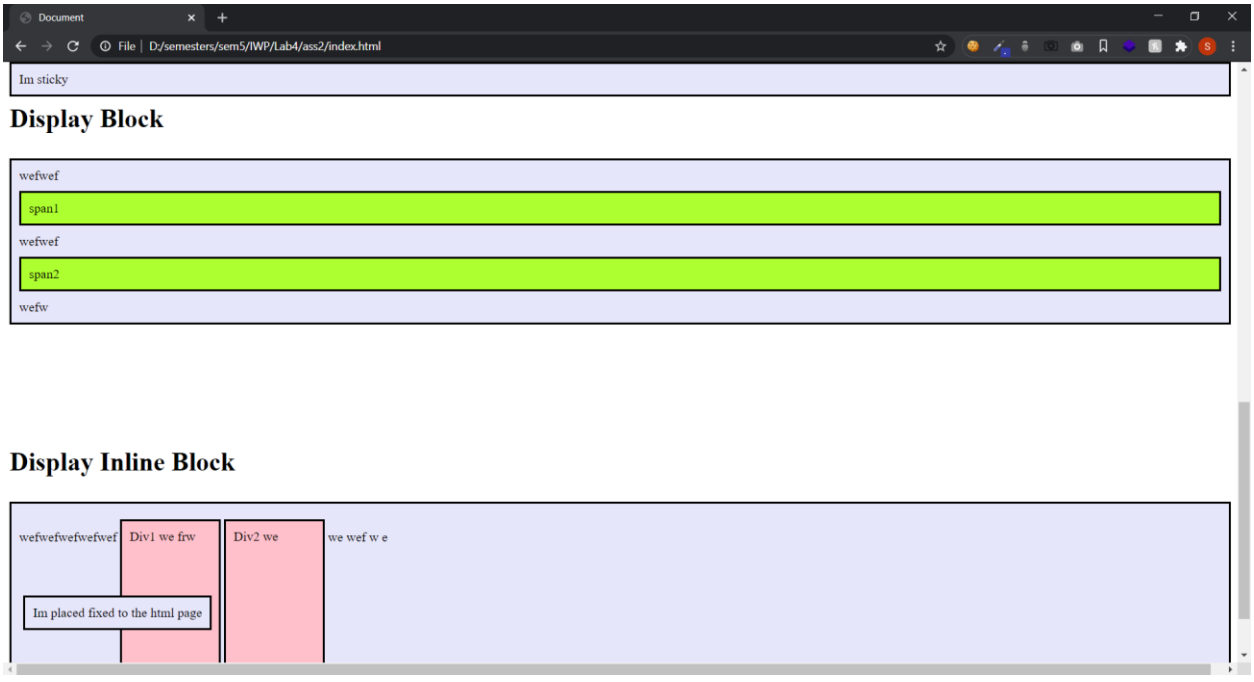
```css
div div{
    padding:10px;
    background-color:pink;
    margin: 10px 0;
    border: 2px solid black;



}


.block span{
    padding:10px;
    background-color:greenyellow;
    margin: 10px 0;
    border: 2px solid black;

    display: block;
}

.sticky{
    position: sticky;
    top: 0;
}
.static{
    position: static;
}
.relative{
    position: relative;
    top:10px;
    left:25px;
    right:25px;
    height: 200px;
}
.absolute1{
    position: absolute;
    top:70px;
    left: 50px;
}
.absolute2{
    position: absolute;
    top:10px;


}
```

```css
h1{
    margin-top: 150px;
}

.fixed{
    position: fixed;
    bottom:10px;
    left:25px;

}
.inlineblock div{
    display: inline-block;
    width: 100px;
    height: 200px;
}
```

Output:




Document
File | D:/semesters/sem5/IWP/Lab4/ass2/index.html
Im sticky
Display Inline
Everything is In line in this are inline wefwefwefwefwef
Div1 we frw
Div2 we
we wef w e
Display Block
wefwef
span1
wefwef
span2
wefw
Im placed fixed to the html page


Document
File | D:/semesters/sem5/IWP/Lab4/ass2/index.html
Im sticky
Display Block
wefwef
span1
wefwef
span2
wefw
Display Inline Block
wefwefwefwefwef
Div1 we frw
Div2 we
we wef w e
Im placed fixed to the html page

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 counter-controlled loop(while..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

Index.html

```
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<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="public\stylesheets\mian.css">
</head>
<body>
    <h1>Task3</h1>

   <table border="1" cellpadding=30>
       <thead>
           <th>Products</th>
           <th>Total Sales</th>
       </thead>
       <tbody>
           <tr>
               <td>Product 1</td>
               <td id="p1">$2.98</td>
           </tr>
           <tr>
               <td>Product 2</td>
               <td id="p2"> $4.50</td>
           </tr>
            <tr>
                <td>Product 3</td>
                <td id="p3">$9.98</td>
            </tr>
            <tr>
                <td>Product 4</td>
                <td id="p4">$4.49</td>
            </tr>
            <tr>
                <td>Product 5</td>
```

```
                <td id="p5">$6.87</td>
            </tr>
        </tbody>
    </table>
    <script src="public\js\main.js"></script>
</body>
</html>
```

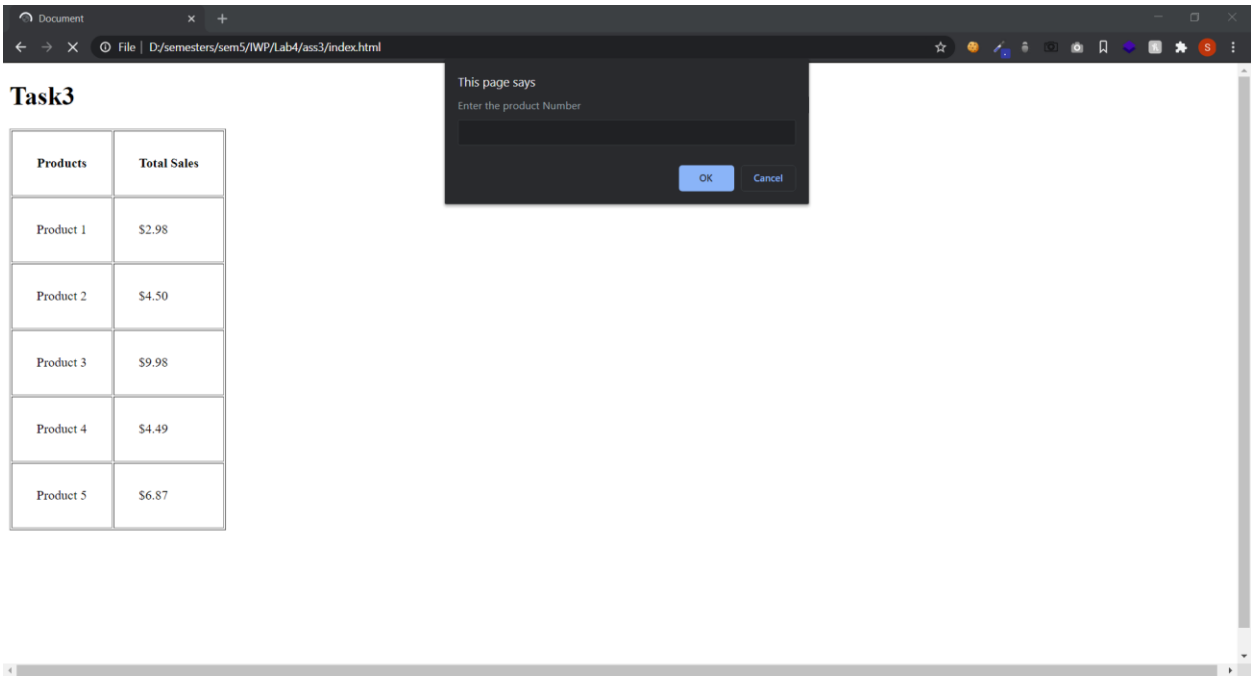
Main.js

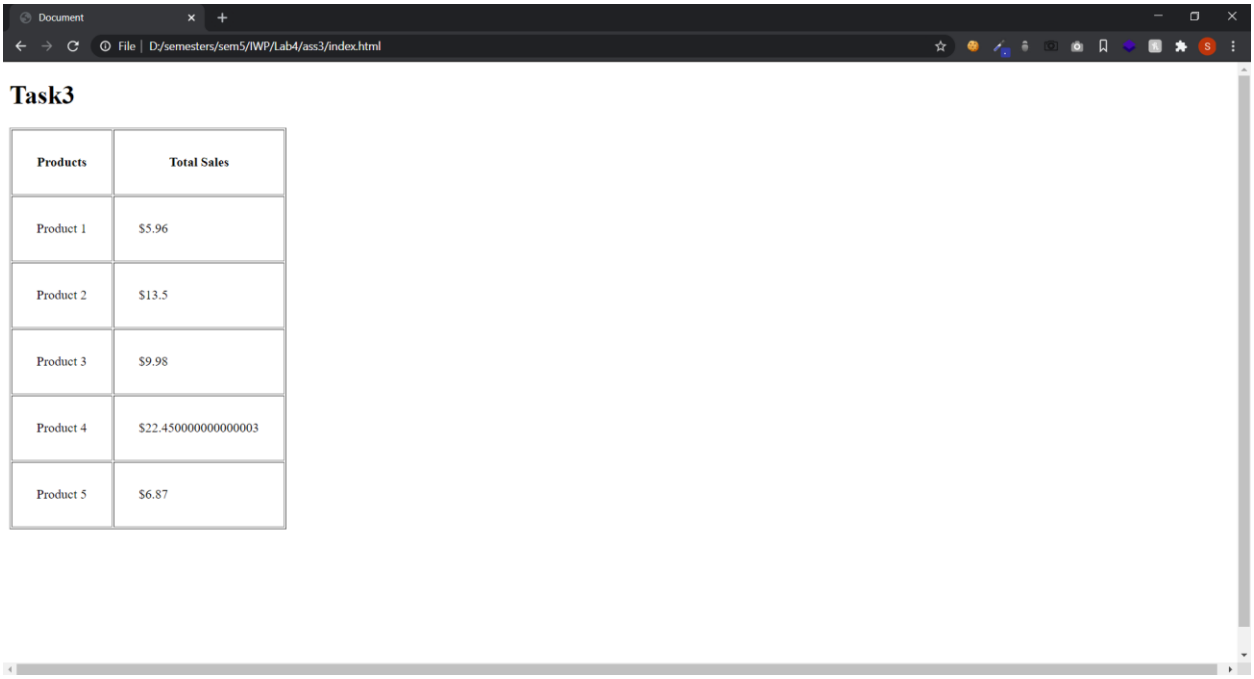
```
var p1 = document.getElementById("p1");
var p2 = document.getElementById("p2");
var p3 = document.getElementById("p3");
var p4 = document.getElementById("p4");
var p5 = document.getElementById("p5");

var pv1 = 2.98;
var pv2 = 4.50;
var pv3 = 9.98;
var pv4 = 4.49;
var pv5 = 6.87;
alert("Welcome to the page");
var c = parseInt(prompt("How many products you want to purchase"));
while(c>0){
    var inp = prompt("Enter the product Number");
    var val = parseInt(prompt("Quantity sold for one day"));
    var inpnumber = parseInt(inp);
    console.log(c);
    switch(inpnumber){
        case 1:
            pv1 = val*pv1;
            p1.innerHTML = "$"+pv1;
            c--;
            break;
        case 2:
            pv2 = val*pv2;
            p2.innerHTML = "$"+pv2;
            c--;
            break;
        case 3:
            pv3 = val*pv3;
            p3.innerHTML = "$"+pv3;
            c--;
            break;
        case 4:
```

```
            pv4 = val*pv4;
            p4.innerHTML = "$"+pv4;
            c--;
            break;
        case 5:
            pv5 = val*pv5;
            p5.innerHTML = "$"+pv5;
            c--;
            break;
        default:
            alert("Enter the right input");
            break;
    }
}
```

Output:





Deployed Link:(Demo links)

Task1: https://sreemanthg.github.io/Internet-And-Web-Programming/Lab4/ass1/index.html

Task2: https://sreemanthg.github.io/Internet-And-Web-Programming/Lab4/ass2/index.html

Task3: https://sreemanthg.github.io/Internet-And-Web-Programming/Lab4/ass3/index.html

Source Code:

https://github.com/SreemanthG/Internet-And-Web-Programming/tree/master/Lab4

Main Repo:

https://github.com/SreemanthG/Internet-And-Web-Programming