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## Week 2

A1. Design a webpage that contains:

- Dropdown list with HP, Nokia, Samsung, Motorola, Apple as items.
- Checkbox with Mobile and Laptop as items; Textbox where you enter quantity.
- A button with text as 'Produce Bill'.

On Clicking Produce Bill button, alert should be displayed with total amount.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Devices</title>
  <link rel="stylesheet" href="a1.css">
  <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
  <script src="a1.js"></script>
</head>
<body>
  <label>Choose a brand: </label>
  <select id="brand">
    <option value="HP">HP</option>
    <option value="Nokia">Nokia</option>
    <option value="Samsung">Samsung</option>
    <option value="Motorola">Motorola</option>
    <option value="Apple">Apple</option>
  </select>
  <label class="checkbox-row">What are you buying?
    <input type="checkbox" class="device" id="laptop">Laptop
    <input type="checkbox" class="device" id="phone"> Phone
  </label>
  <label>Enter the quantity:</label>
  <input type="number" id="qty" value="1" min="1">
  <button id="billbtn">Produce Bill</button>
</body>
</html>
```

- CSS:

```
body{
  font-family: Arial, Helvetica, sans-serif;
  padding: 30px;
```

```

}
label {
    display: block;
    margin-top: 15px;
    font-weight: bold;
}
select,
#qty {
    width: 200px;
    padding: 6px;
    margin-top: 5px;
}
.checkbox-row input {
    margin-left: 10px;
    margin-right: 4px;
}
button {
    margin-top: 20px;
    padding: 8px 15px;
    font-size: 16px;
    cursor: pointer;
}

```

- JS:

```

$(document).ready(function(){
    $("#billbtn").click(function(){
        let brand = $("#brand").val();
        let qty = $("#qty").val();
        let total = 0;

        let mobileprice = {
            HP: 10000,
            Nokia: 12000,
            Samsung: 15000,
            Motorola: 11000,
            Apple: 30000
        };

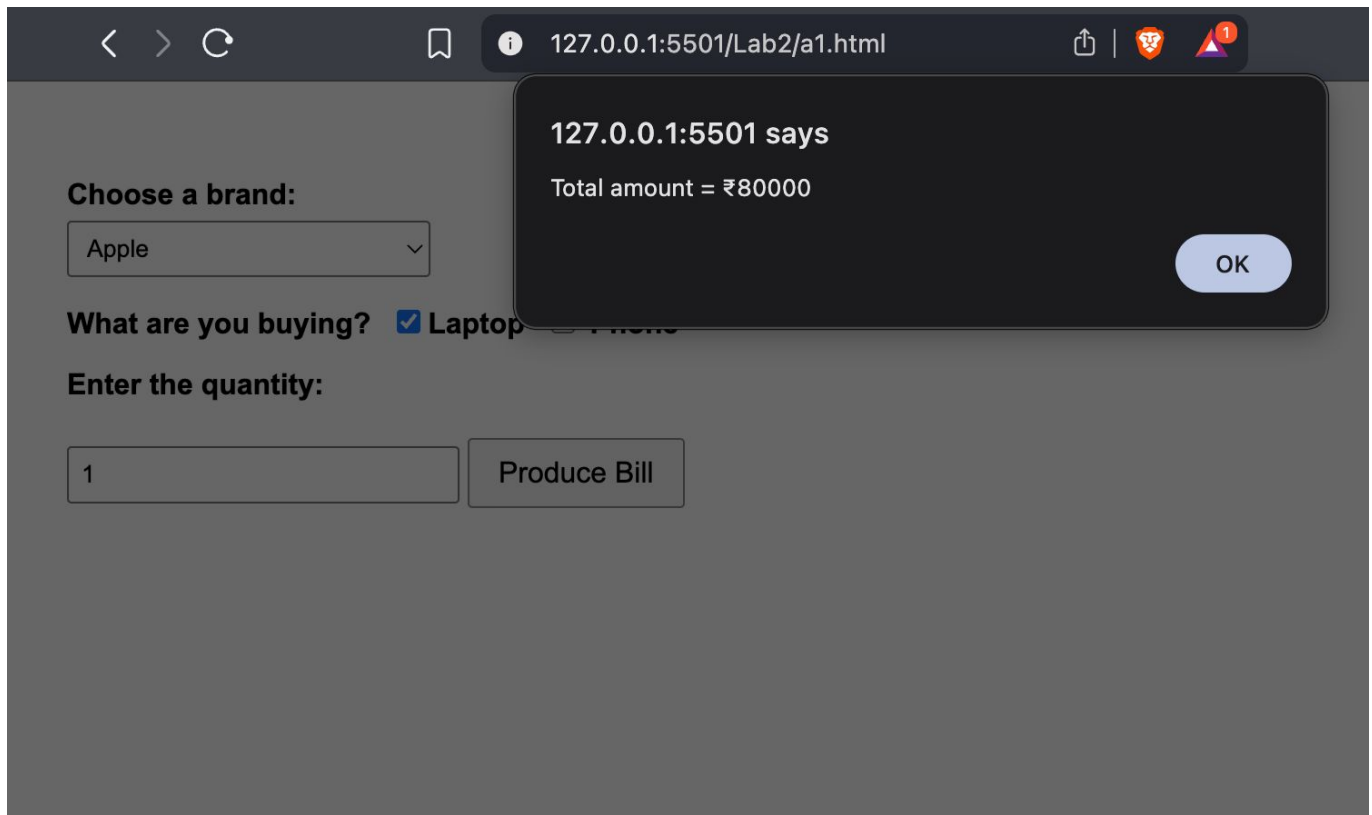
        let laptopprice = {
            HP: 40000,
            Nokia: 35000,
            Samsung: 45000,
            Motorola: 38000,
            Apple: 80000
        };

        if($("#phone").is(":checked"))
            total += mobileprice[brand] * qty;
        if($("#laptop").is(":checked"))
            total += laptopprice[brand] * qty;
        if(total === 0)
            alert("Please select at least one device");
    });
}

```

```
        else alert("Total amount = ₹" + total);  
    });  
});
```

- Output:



A2. Implement the bouncing ball using animate() function.

- HTML:

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Bouncing Ball</title>  
    <link rel="stylesheet" href="a2.css">  
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>  
    <script src="a2.js"></script>  
</head>  
<body>  
    <div id="box">  
        <div id="ball"></div>  
    </div>  
</body>  
</html>
```

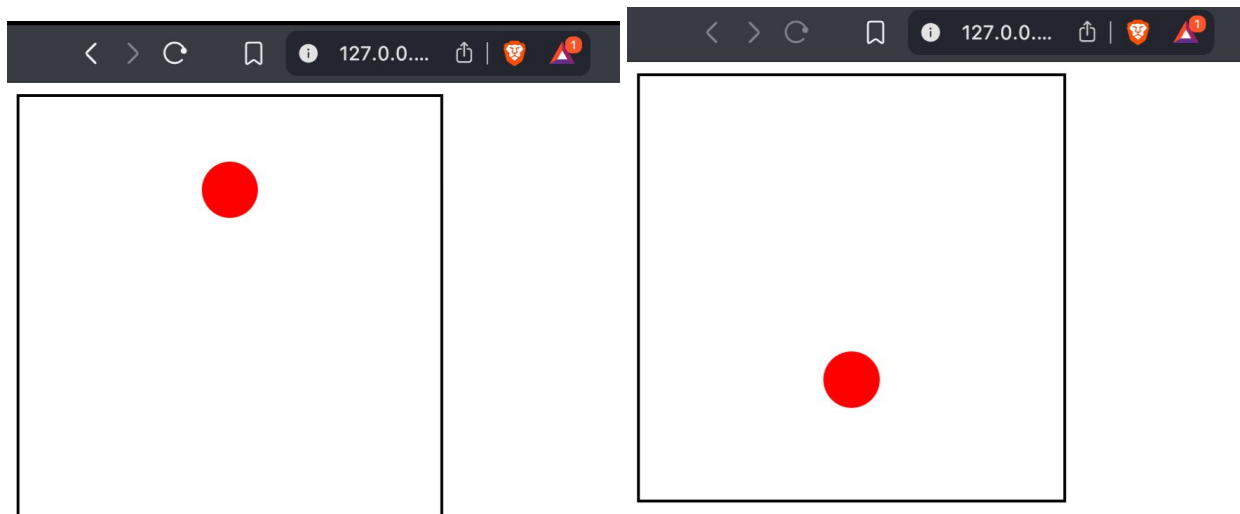
- CSS:

```
#box{
  width: 300px;
  height: 300px;
  border: 2px solid black;
  position: relative;
}
#ball{
  width: 40px;
  height: 40px;
  background-color: red;
  border-radius: 50%;
  position: absolute;
  top: 0;
  left: 130px;
}
```

- JS:

```
function fall(){
  $("#ball").animate({top: "260px"}, 600, rise);
}
function rise(){
  $("#ball").animate({top: "0px"}, 600, fall);
}
$(document).ready(function(){
  fall();
});
```

- Output:



A3. Write a web page which displays image and show the sliding text on the image.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Sliding Text</title>
  <link rel="stylesheet" href="a3.css">
  <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
  <script src="a3.js"></script>
</head>
<body>
  <div class="container">
    
    <div id="text">Welcome</div>
  </div>
</body>
</html>
```

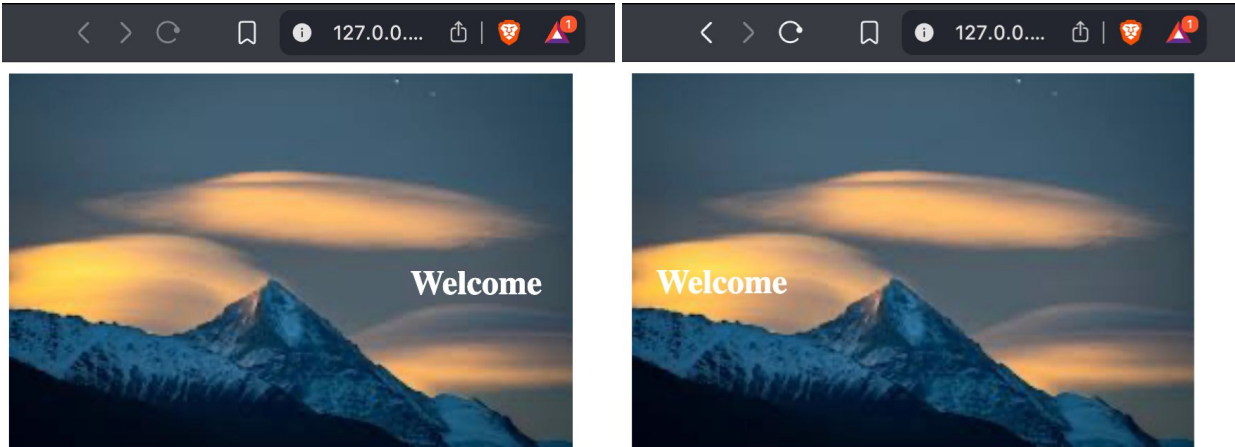
- CSS:

```
.container{
  position: relative;
  width: 400px;
}
img{
  width: 100%;
  height: auto;
}
#text{
  position: absolute;
  top: 50%;
  left: -200px;
  font-size: 24px;
  color: white;
  font-weight: bold;
}
```

-JS:

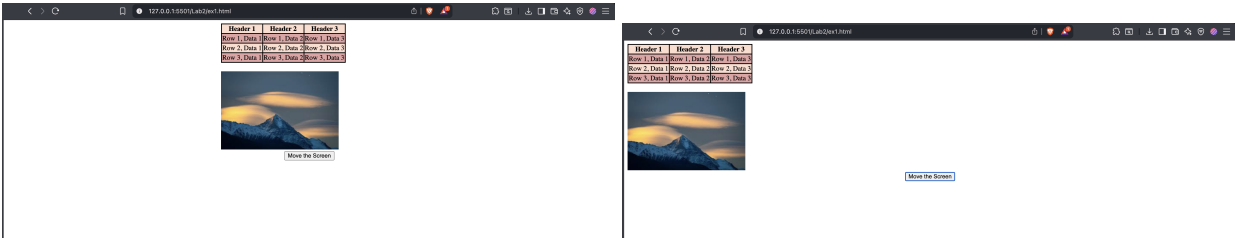
```
function slide(){
  $("#text").animate({left: "400px"}, 3000, function(){
    $("#text").css("left", "-200px");
    slide();
  })
}
$(document).ready(function(){
  slide();
})
```

- Output:

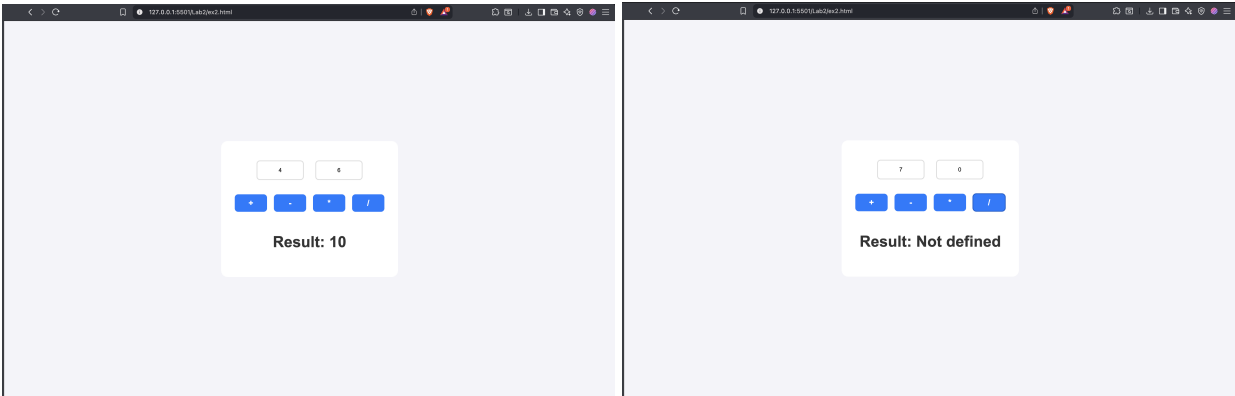


Note:

- the images in the Lab 2 exercises pdf did not get attached properly, therefore I am attaching them here. Please consider the same for grading.
1. Write a web page which contains table with 3 X 3 dimensions (fill some data) and one image. Style the rows with alternate color. Move the table and image together from right to left when button is clicked.



2. Design a calculator to perform basic arithmetic operations. Use textboxes and buttons to design web page.



3. Create a web page to design the given birthday card.

127.0.0.1:5501/Lab2/ex3.html

Choose a background color:

Yellow

Choose a font:

Verdana

Specify a numeric font size:

25

Choose a border style:

☐ None

☒ Double

☐ Solid


☒ Add the Default Picture

Enter the greeting text below:

Happy Birthday, and many more

Update

Happy Birthday, and many more



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