WEB PROGRAMMING LAB-2 HOME EXERCISES

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Question 1:

1. Design a webpage. The page contains:

   a. Dropdown list with HP, Nokia, Samsung, Motorola, Apple as items.

   b. Checkbox with Mobile and Laptop as items.

   c. Quantity as a textbox where you enter.

   d. There is a button with text as 'Produce Bill'.

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

<u>Code:</u>

```html
<!DOCTYPE html>
<html>
<head>
  <title>Produce Bill</title>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

  <style>
```

```css
body {
    font-family: Arial;
    background-color: #f2f2f2;
}

.box {
    width: 350px;
    margin: 50px auto;
    padding: 20px;
    background: white;
    border-radius: 8px;
}

h2 {
    text-align: center;
}

label {
    font-weight: bold;
}

select, input[type=number] {
    width: 100%;
    padding: 5px;
    margin-top: 5px;
    margin-bottom: 15px;
}

.check-group {
    display: flex;
    gap: 20px;
    margin-bottom: 15px;
}

.check-item {
    display: flex;
```

```
        align-items: center;
        gap: 5px;
    }

    button {
        width: 100%;
        padding: 10px;
        font-size: 16px;
        background: green;
        color: white;
        border: none;
        cursor: pointer;
    }
  </style>
</head>
<body>

<div class="box">
  <h2>Mobile Shop</h2>

  <label>Select Brand:</label>
  <select id="brand">
    <option value="">--Select--</option>
    <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>Choose Product:</label>

  <div class="check-group">
    <div class="check-item">
      <input type="checkbox" id="mobile">
      <span>Mobile</span>
```

```html
        </div>

        <div class="check-item">
            <input type="checkbox" id="laptop">
            <span>Laptop</span>
        </div>
    </div>

    <label>Quantity:</label>
    <input type="number" id="qty" min="1" placeholder="Enter quantity">

    <button id="billBtn">Produce Bill</button>
</div>

<script>
$(document).ready(function(){

    $("#billBtn").click(function(){

        var brand = $("#brand").val();
        var qty = parseInt($("#qty").val());
        var total = 0;

        if(brand == "" || isNaN(qty) || qty <= 0)
        {
            alert("Please select brand and enter valid quantity (>= 1)");
            return;
        }

        if(!$("#mobile").is(":checked") && !$("#laptop").is(":checked"))
        {
            alert("Please select at least one product");
            return;
        }

        if($("#mobile").is(":checked"))
```

```
        {
            if(brand == "Nokia") total += 15000;
            else if(brand == "Samsung") total += 20000;
            else if(brand == "Motorola") total += 18000;
            else if(brand == "Apple") total += 40000;
            else alert("HP Mobile not available");
        }

        if($("#laptop").is(":checked"))
        {

            if(brand == "HP") total += 50000;
            else if(brand == "Samsung") total += 55000;
            else if(brand == "Apple") total += 80000;
            else alert(brand + " Laptop not available");
        }

        total = total * qty;

        alert("Total Bill Amount = ₹" + total);

    });

});
</script>

</body>
</html>
```

Output:

Mobile Shop

Select Brand:

HP ⌄
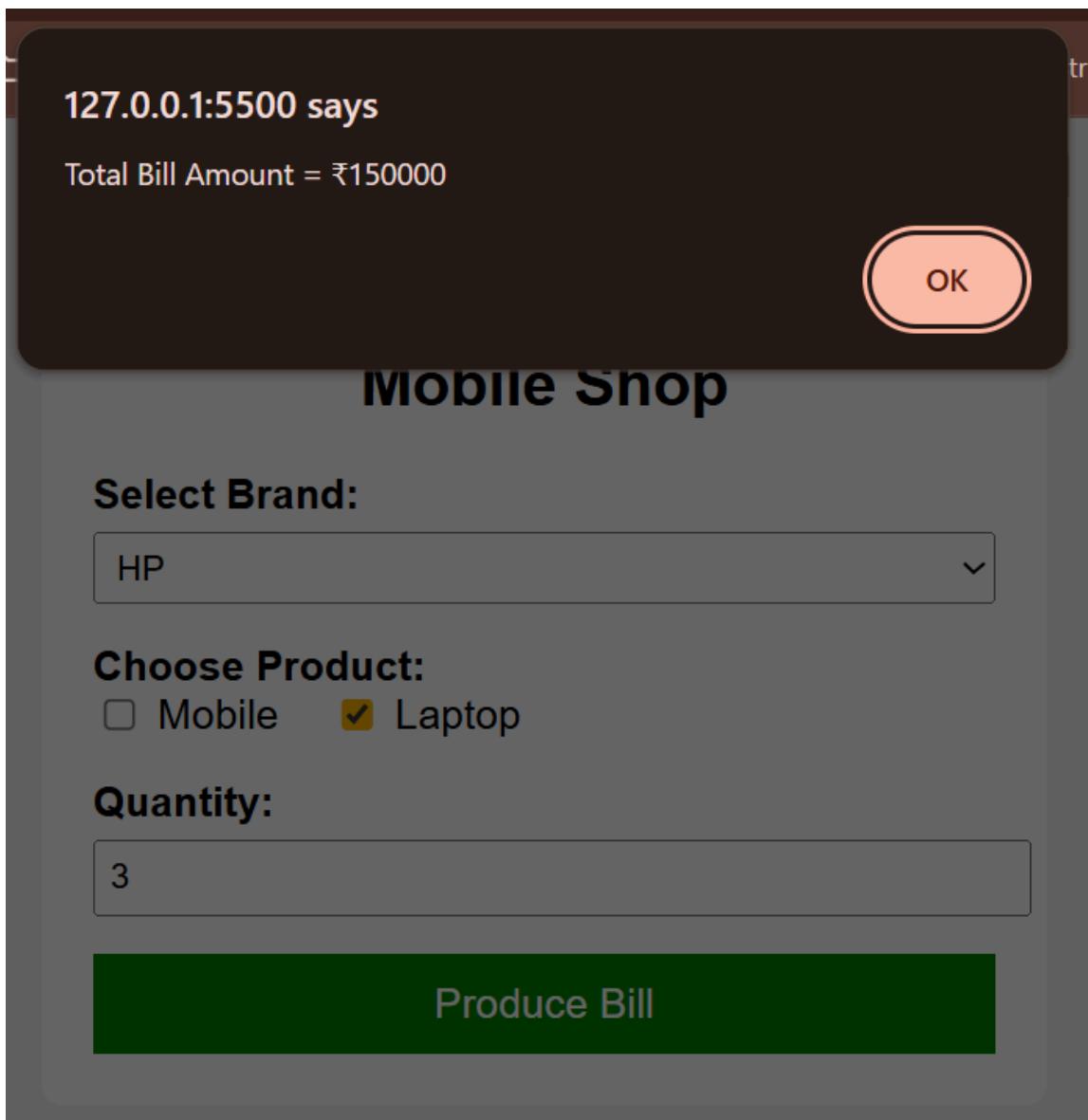
Choose Product:
☐ Mobile   ☑ Laptop

Quantity:

3

Produce Bill

Question 2:

Implement the bouncing ball using animate() function.

Code:

```
<!DOCTYPE html>
<html>
<head>
```

```html
<title>Bouncing Ball</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<style>
  body {
    text-align: center;
    font-family: Arial;
    background: #f2f2f2;
  }

  #box {
    width: 500px;
    height: 300px;
    border: 2px solid black;
    margin: 40px auto;
    position: relative;
    background: white;
  }

  #ball {
    width: 40px;
    height: 40px;
    background: red;
    border-radius: 50%;
    position: absolute;
    top: 0;
    left: 0;
  }

  button {
    padding: 10px 20px;
    font-size: 16px;
  }
</style>
</head>
```

```html
<body>

<h2>Bouncing Ball Animation</h2>

<div id="box">
  <div id="ball"></div>
</div>

<button id="start">Start Bounce</button>

<script>
$(document).ready(function(){

  $("#start").click(function(){
    bounce();
  });

  function bounce()
  {
    $("#ball")
    .animate({ left: "460px" }, 1000)
    .animate({ top: "260px" }, 1000)
    .animate({ left: "0px" }, 1000)
    .animate({ top: "0px" }, 1000, bounce);
  }

});
</script>

</body>
</html>
```
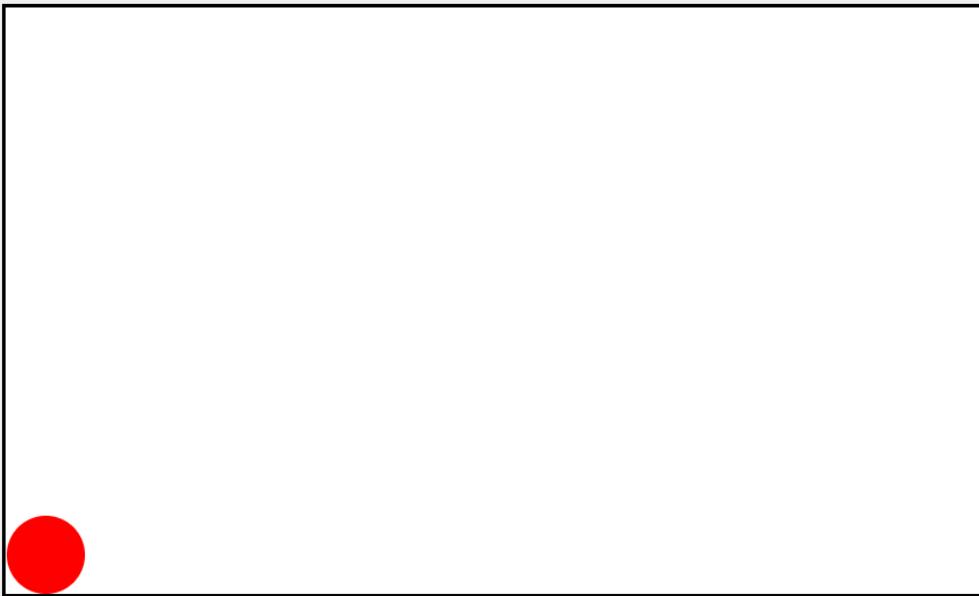
Output:

Bouncing Ball Animation

Start Bounce

Question 3:

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

Code:

```html
<!DOCTYPE html>
<html>
<head>
  <title>Sliding Text on Image</title>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

```
<style>
    body {
        text-align: center;
        font-family: Arial;
        background: #f2f2f2;
    }

    #container {
        position: relative;
        width: 500px;
        margin: 40px auto;
    }

    #container img {
        width: 100%;
        border-radius: 8px;
    }

    #text {
        position: absolute;
        top: 40%;
        left: -100%;
        font-size: 32px;
        color: white;
        font-weight: bold;
        background: rgba(0,0,0,0.6);
        padding: 10px 20px;
        border-radius: 5px;
    }

    button {
        padding: 10px 20px;
        font-size: 16px;
        margin-top: 20px;
    }
```

```html
    </style>
  </head>
  <body>

    <h2>Sliding Text on Image</h2>

    <div id="container">
      <img src="sample.jpg" alt="Image">
      <div id="text">Welcome to jQuery</div>
    </div>

    <button id="start">Slide Text</button>

    <script>
    $(document).ready(function(){

      $("#start").click(function(){

        $("#text").css("left", "-100%");

        $("#text").animate({
          left: "20%"
        }, 1500);

      });

    });
    </script>

  </body>
</html>
```

Output:

Sliding Text on Image

Welcome to jQuery

Slide Text

Sliding Text on Image

Welcome to jQuery

Slide Text