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Q1) 1. Design a webpage. The page contains: • Dropdown list with HP, Nokia, Samsung, Motorola, Apple as items. • Checkbox with Mobile and Laptop as items. • Textbox where you enter quantity. • There is 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>Buy Tech Stuff</title>

  <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>

  <script>

    $(document).ready(function () {

      $(".submit").click(function () {

        const company = $("#company").val();

        const isMobileChecked = $("#mobile").is(":checked");

        const isLaptopChecked = $("#laptop").is(":checked");

        const quantity = parseInt($("#quantity").val());

        if (!isMobileChecked && !isLaptopChecked) {

          alert("Please select at least one item (Mobile or Laptop).");

          return;

        }

        if (isNaN(quantity) || quantity <= 0) {

          alert("Please enter a valid quantity.");
```

```javascript
        return;
    }

    let totalAmount = 0;

    if (isMobileChecked) {

        totalAmount += 300 * quantity;

    }

    if (isLaptopChecked) {

        totalAmount += 800 * quantity;

    }

    alert(`Company: ${company}\nTotal Amount: $${totalAmount}`);

    });

    });
</script>

<style>

    .maindiv {

        background-color: darkcyan;

        width: 500px;

        padding: 20px;

        margin: 0 auto;

        text-align: center;

        border-radius: 10px;

        color: white;

        margin-top: 200px;

    }
    .maindiv h3 {

        margin-bottom: 20px;

    }
    .maindiv div {

        margin-bottom: 15px;

    }
```
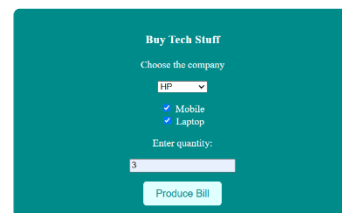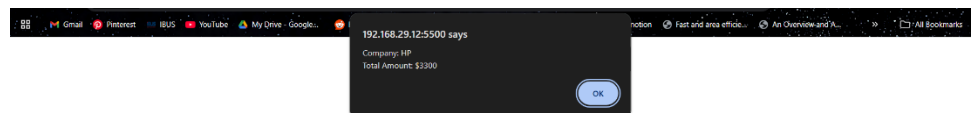
```
      button.submit {

        background-color: white;

        color: darkcyan;

        border: none;

        padding: 10px 20px;

        border-radius: 5px;

        cursor: pointer;

        font-size: 16px;

      }

      button.submit:hover {

        background-color: lightcyan;

      }

    </style>

</head>

<body>

  <div class="maindiv">

    <h3>Buy Tech Stuff</h3>

    <div>

      <p>Choose the company</p>

      <select name="company" id="company">

        <option value="HP">HP</option>

        <option value="Nokia">Nokia</option>

        <option value="Motorola">Motorola</option>

        <option value="Samsung">Samsung</option>

        <option value="Apple">Apple</option>

      </select>

    </div>

    <div>

      <input type="checkbox" id="mobile" name="mobile" />

      <label for="mobile">Mobile</label>

      <br />
```

```html
        <input type="checkbox" id="laptop" name="laptop" />
        <label for="laptop">Laptop</label>
      </div>
      <div>
        <p>Enter quantity:</p>
        <input type="text" name="quantity" id="quantity">
      </div>
      <button class="submit">Produce Bill</button>
    </div>
</body>
</html>
```

Q2) 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 Animation</title>
  <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
  <script>
   $(document).ready(function () {
    function bounceBall(){
     $(".ball").animate(
      {top:"350px"}, 1000, function(){
       $(this).animate(
        {top:"0"}, 1000,bounceBall
       )
      }
     )
    }
```

```
      bounceBall();
    });
  </script>
  <style>
   *{
     margin: 0;
     padding: 0;
   }
   .ball {
      width: 100px;
      height: 100px;
      background-color: rgb(52, 4, 20);
      border-radius: 50%;
      position: absolute;
      top: 50%;
      left: 45%;
   }
  </style>
</head>
<body>
  <div class="ball"></div>
</body>
</html>
```

Q3) Write a web page which displays image and show the sliding text on the image.

```html
<!-- Write a web page which displays image and show the sliding text on the image.  -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Sliding Text</title>
<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
<script>
  $(document).ready(function () {
    function animateText() {
      $('.ptext').css('left', '0%').animate({ left: '55%'},2500).animate({ left: '0%'},2500);
    }
    setInterval(animateText, 5000);
    animateText();
  });
</script>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }

    body {
      display: flex;
      justify-content: center;
      align-items: center;
      min-height: 100vh;
      background-color: #f3f3f3;
    }

    .maindiv {
      position: relative;
      width: 500px;
      height: 500px;
    }
```

```
    .maindiv img {

       width: 100%;

       height: 100%;

       object-fit: cover;

    }


    .ptext {

       position: absolute;

       bottom: 80%;

       left: -100%;

       font-size: 2em;

       color: white;

       font-weight: bold;

       text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.7);

       white-space: nowrap;

    }
  </style>
</head>
<body>
  <div class="maindiv">
    <img src="cake1.jpg" alt="Cake">
    <p class="ptext">Happy Birthday</p>
  </div>
</body>
</html>
```