

1. Design a form for Employee registration which includes all elements of form tags.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Simple HTML Form</title>
</head>
<body>
<form name="contactForm" onsubmit="return validateForm()" action="confirmation.php"
method="post">
  <h2>Employee Registration Form</h2>
  <div class="row">
    <label>Employee Name</label>
    <input type="text" name="name">
    <div class="error" id="nameErr"></div>
  </div>
  <div class="row">
    <label>Email Address</label>
    <input type="text" name="email">
    <div class="error" id="emailErr"></div>
  </div>
  <div class="row">
    <label>Mobile Number</label>
    <input type="text" name="mobile" maxlength="10">
    <div class="error" id="mobileErr"></div>
  </div>
  <div class="row">
    <label>City</label>
    <select name="country">
      <option>Select</option>
      <option>Noida</option>
      <option>Bengaluru</option>
      <option>Mumbai</option>
      <option>Chennai</option>
      <option>Hyderabad</option>
    </select>
    <div class="error" id="countryErr"></div>
  </div>
  <div class="row">
    <label>Gender</label>
    <div class="form-inline">
      <label><input type="radio" name="gender" value="male"> Male</label>
      <label><input type="radio" name="gender" value="female"> Female</label>
    </div>
    <div class="error" id="genderErr"></div>
  </div>
  <div class="row">
    <label>Hobbies <i>(Optional)</i></label>
    <div class="form-inline">
      <label><input type="checkbox" name="hobbies[]" value="sports"> Sports</label>
```

```
<label><input type="checkbox" name="hobbies[]" value="movies"> Movies</label>
<label><input type="checkbox" name="hobbies[]" value="music"> Music</label>
</div>
</div>
<div class="row">
  <input type="submit" value="Submit">
</div>
</form>
</body>
</html>
```

Output:

Employee Registration Form

Employee Name	<input type="text" value="Mishti"/>
Email Address	<input type="text" value="mishtigmail.com"/>
Mobile Number	<input type="text" value="7906576882"/>
City	<input type="text" value="Noida"/>
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female
Hobbies (<i>Optional</i>)	<input type="checkbox"/> Sports <input type="checkbox"/> Movies <input checked="" type="checkbox"/> Music
<input type="button" value="Submit"/>	

2. Write a HTML code to generate a class timetable and add external CSS to customize the properties of the font, background etc. (color, bold and font size).

```
<!DOCTYPE html>
<html>
  <body>
    <table border="1" cellspacing="1">
      <tr>
        <th rowspan="3">Day</th>
        <th colspan="3">Seminar</th>
      </tr>
      <tr>
        <th colspan="2">Schedule</th>
        <th rowspan="2">Topic</th>
      </tr>
      <tr>
        <th>Begin</th>
        <th>End</th>
      </tr>
      <tr>
        <td rowspan="2">Monday</td>
        <td rowspan="2" style="text-align:center" bgcolor="#FFFACD">8:00 a.m.</td>
        <td rowspan="2" style="text-align:center" bgcolor="#ADD8E6">5:00 p.m.</td>
        <td style="text-align:center">Introduction to XML</td>
      </tr>
      <tr>
        <td style="text-align:center">Validity: DTD and Relax NG</td>
      </tr>
      <tr>
        <td rowspan="3">Tuesday</td>
        <td style="text-align:center" bgcolor="#FFFACD">8:00 a.m.</td>
        <td style="text-align:center" bgcolor="#FFFACD">11:00 a.m.</td>
        <td style="text-align:center">XPath</td>
      </tr>
      <tr>
        <td style="text-align:center" bgcolor="#FFFACD">11:00 a.m.</td>
        <td style="text-align:center" bgcolor="#AFE1AF">2:00 p.m.</td>
        <td rowspan="2" style="text-align:center">XSL Transformations</td>
      </tr>
      <tr>
        <td style="text-align:center" bgcolor="#FFFACD">2:00 p.m.</td>
        <td style="text-align:center" bgcolor="#ADD8E6">5:00 p.m.</td>
      </tr>
      <tr>
        <td>Wednesday</td>
        <td style="text-align:center" bgcolor="#FFFACD">8:00 a.m.</td>
        <td style="text-align:center" bgcolor="#AFE1AF">12:00 p.m.</td>
        <td style="text-align:center">XSL Formatting Objects</td>
      </tr>
```

```

</table>
</body>
</html>

```

Output:

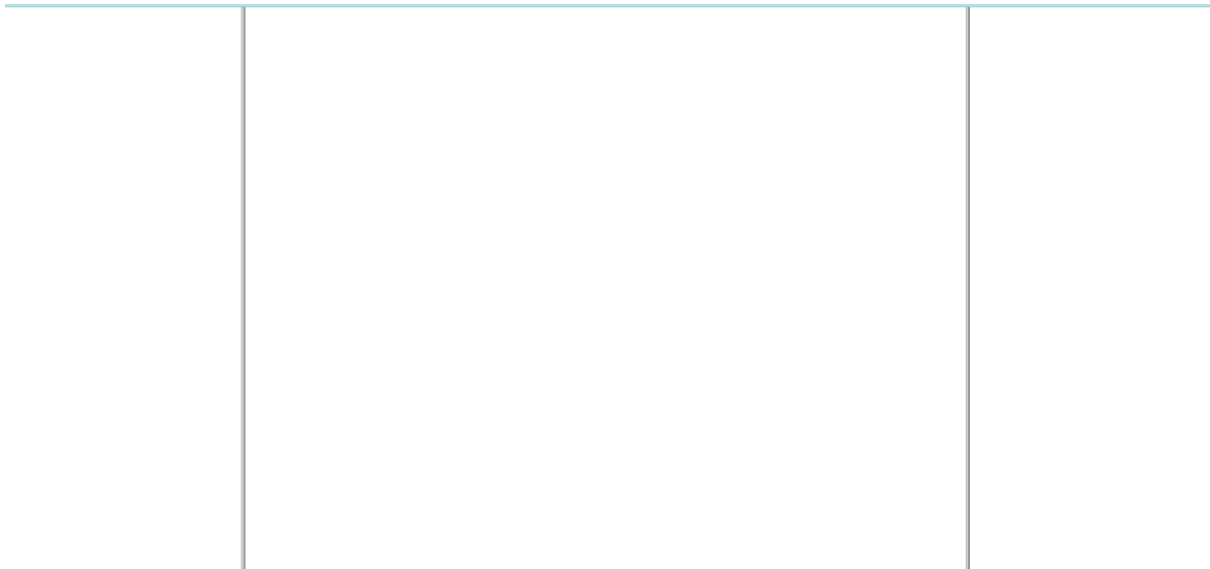
Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	XSL Transformations
	2:00 p.m.	5:00 p.m.	
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

3. Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks.

```
<html>
<frameset rows="100%">
  <frameset cols="20%,60%,20%">
    <frame name="A"></frame>
    <frame name="B"></frame>
    <frame name="C"></frame>
  </frameset>
</frameset>

</html>
```

Output:



4. Write an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).

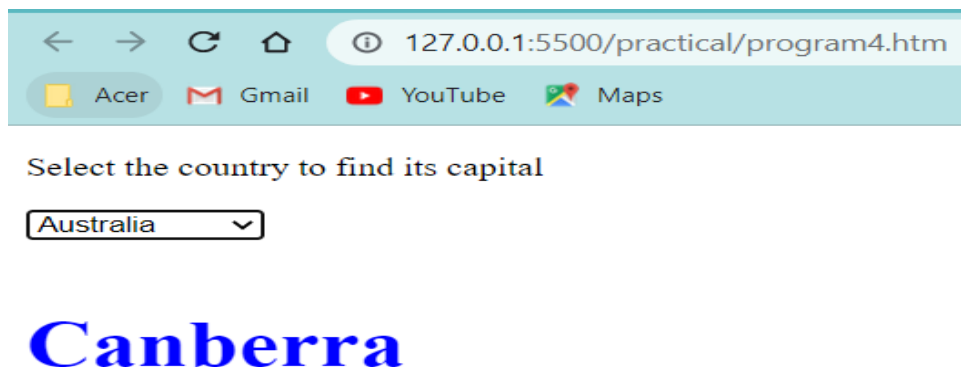
```
<!DOCTYPE html>
<html lang="en">

<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>Program 4</title>
  <script>
    function fun(dropdown) {
      var selectedValue = dropdown.options[dropdown.selectedIndex].value;
      document.getElementById("capital").innerHTML = selectedValue;
    }
  </script>
</head>

<body>
  <p>Select the country to find its capital</p>
  <form>
    <select name="country" onChange="fun(this)">
      <option value="select">Select</option>
      <option value="Washington DC">United States</option>
      <option value="New Delhi">India</option>
      <option value="Ottawa">Canada</option>
      <option value="Canberra">Australia</option>
      <option value="Wellington">New Zealand</option>
    </select>
    <h3 id="capital" style="color:blue; font-weight:bold; font-size:40px;"></h3>
  </form>
</body>

</html>
```

Output:



5. Develop and demonstrate the usage of inline, internal and external style sheet using CSS.

```
<!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>Program 5</title>
  <link rel="stylesheet" href="mystyle.css">
  <style>
    div{
      background-color: aquamarine;
      color: black;
      font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
    }
  </style>
</head>
<body>
  <p style="font-size: 30px;background-color: pink;color: black">THIS IS INLINE CSS DEMO</p>
  <div>THIS IS INTERNAL CSS DEMO</div>
  <STRONG>THIS IS EXTERNAL CSS DEMO</STRONG>
</body>
</html>
```

Output:

THIS IS INLINE CSS DEMO

THIS IS INTERNAL CSS DEMO

THIS IS EXTERNAL CSS DEMO

6. Create a student registration system page using HTML tags and apply box model using external CSS.

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <title>Simple HTML Form</title>
  <style>
    body {
      font-size: 16px;
      background: #f9f9f9;
      font-family: "Segoe UI", "Helvetica Neue", Arial, sans-serif;
    }

    h2 {
      text-align: center;
      text-decoration: underline;
    }

    form {
      width: 300px;
      background: #fff;
      padding: 15px 40px 40px;
      border: 1px solid #ccc;
      margin: 50px auto 0;
      border-radius: 5px;
    }

    label {
      display: block;
      margin-bottom: 5px
    }

    label i {
      color: #999;
      font-size: 80%;
    }

    input,
    select {
      border: 1px solid #ccc;
      padding: 10px;
      display: block;
      width: 100%;
      box-sizing: border-box;
      border-radius: 2px;
    }

    .row {
```



```

        padding-bottom: 10px;
    }

    .form-inline {
        border: 1px solid #ccc;
        padding: 8px 10px 4px;
        border-radius: 2px;
    }

    .form-inline label,
    .form-inline input {
        display: inline-block;
        width: auto;
        padding-right: 15px;
    }

    .error {
        color: red;
        font-size: 90%;
    }

    input[type="submit"] {
        font-size: 110%;
        font-weight: 100;
        background: #006dcc;
        border-color: #016BC1;
        box-shadow: 0 3px 0 #0165b6;
        color: #fff;
        margin-top: 10px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background: #0165b6;
    }
</style>
<script src="validator.js"></script>

</head>

<body>
    <form name="contactForm" onsubmit="return validateForm()" action="confirmation.php"
    method="post">
        <h2>Student Registration Form</h2>
        <div class="row">
            <label>Full Name</label>
            <input type="text" name="name">
            <div class="error" id="nameErr"></div>
        </div>

```

```

<div class="row">
  <label>Email Address</label>
  <input type="text" name="email">
  <div class="error" id="emailErr"></div>
</div>
<div class="row">
  <label>Mobile Number</label>
  <input type="text" name="mobile" maxlength="10">
  <div class="error" id="mobileErr"></div>
</div>
<div class="row">
  <label>Course</label>
  <select name="country">
    <option>Select</option>
    <option>BTech</option>
    <option>BSc</option>
    <option>BCom</option>
    <option>BALLB</option>
  </select>
  <div class="error" id="countryErr"></div>
</div>
<div class="row">
  <label>Gender</label>
  <div class="form-inline">
    <label><input type="radio" name="gender" value="male"> Male</label>
    <label><input type="radio" name="gender" value="female"> Female</label>
  </div>
  <div class="error" id="genderErr"></div>
</div>
<div class="row">
  <label>Hobbies <i>(Optional)</i></label>
  <div class="form-inline">
    <label><input type="checkbox" name="hobbies[]" value="sports"> Sports</label>
    <label><input type="checkbox" name="hobbies[]" value="movies"> Movies</label>
    <label><input type="checkbox" name="hobbies[]" value="music"> Music</label>
  </div>
</div>
<div class="row">
  <input type="submit" value="Submit">
</div>
</form>
</body>

</html>

```

Output:

Student Registration Form

Full Name

Abhay

Email Address

abhay.ak91@gmail.com

Mobile Number

7906576887

Course

BTech



Gender

☒ Male ☐ Female

Hobbies *(Optional)*

☒ Sports ☐ Movies ☐ Music

Submit

7. A. Write a JavaScript program to test the first character of a string is uppercase or not.

```
<!DOCTYPE html>
<html>

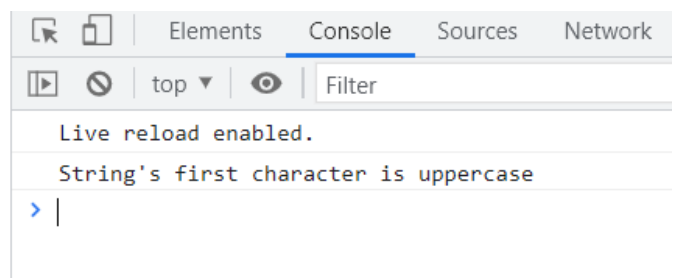
<head>
  <meta charset=utf-8 />
  <title>JavaScript Regular expression to check string's first character is uppercase or not</title>
  <script>
    function upper_case() {
      regexp = /^[A-Z]/;
      str=document.getElementById("str").value;
      if (regexp.test(str)) {
        console.log("String's first character is uppercase");
        document.getElementById("str").innerHTML="uppercase";
      } else {
        console.log("String's first character is not uppercase");
        document.getElementById("str").innerHTML="Not uppercase";
      }
    }
  </script>
</head>

<body>
  <p>Enter the string</p>
  <input type="text" id="str">
  <button onclick="upper_case()">check</button>
</body>

</html>
```

Output:

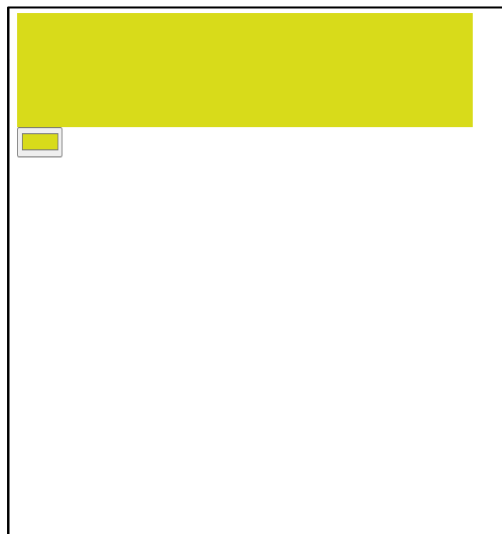
Enter the string



B. Write a JavaScript code to take color from user and apply that color to Div tag.

```
<html>
<head>
  <style>
    #Myelement {
      width: 500px;
      height: 100px;
    }
  </style>
</head>
<body>
  <div id="Myelement"
    onclick="changeColor()">
  </div>
  <input name="MyColorPicker"
    type="color"
    id="MyColorPicker" />
</body>
</html>
```

```
<script>
  function changeColor() {
    document.getElementById(
      "Myelement").style.backgroundColor =
      document.getElementById(
        "MyColorPicker").value;
  }
</script>
```



- 8. Write JavaScript to validate the following fields of the Registration page. 1. First Name (Name should be min 4 characters and max 8 characters) 2. Password & Confirm Password (Password should not be less than 8 characters length). 3. Email id (should not contain any invalid mail) 4. Mobile Number (Phone number should be 8 digits only) 5. Last Name and Address (should not be Empty).**

```
<!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>Document</title>
  <script>
    function printError(id, message) {
      document.getElementById(id).innerHTML = message;
    }

    function validateForm() {
      var pass = true;
      var name = document.frm.name.value;
      var phone = document.frm.phone.value;
      var password = document.frm.password.value;
      var cpass = document.frm.cpass.value;
      var last = document.frm.last.value;
      var address = document.frm.address.value;

      var regex = /^[a-zA-Z\s]+$/;
      if (regex.test(name) == false && name.length >= 4 && name.length <= 8) {
        printError("namerr", "name error");
        pass = false;
      }
      var regex = /^[1-9]+[0-9]{7}$/;
      if (regex.test(phone) == false) {
        printError("phonerr", "phone number error");
        pass = false;
      }
      var regex = /^[a-zA-Z0-9]+$/;
      if (regex.test(password) == false && password.length >= 8) {
        printError("passerr", "password length is less than 8");
        pass = false;
      }
      if (cpass != password) {
        printError("cpasserr", "passwords doesn't match");
        pass = false;
      }
      if (address == "") {
        printError("adderr", "address shouldn't be empty");
        pass = false;
      }
    }
  </script>
</head>
</html>
```

```

    }
    if (last == "") {
        printError("lasterr", "last name shouldn't be empty");
        pass = false;
    }
    return pass;
}
</script>
</head>

<body>
    <h1 style="text-align: center;">FORM</h1>
    <center>
        <form action="#" name="frm" onsubmit="return validateForm()" method="post">
            First Name: <input type="text" name="name"><br>
            <div id="namerr"></div><br>
            Last Name: <input type="text" name="last">
            <p id="lasterr"></p>
            Email: <input type="email" name="email" id="emailerr">
            <br><br>
            Phone no. : <input type="number" name="phone"><br>
            <div id="phonerr"></div><br>
            Password : <input type="password" name="password"><br>
            <div id="passerr"></div><br>
            Confirm Password. : <input type="password" name="cpass"><br>
            <div id="cpasserr"></div><br>
            Address: <input type="text" name="address"><br>
            <p id="adderr"></p>
            <input type="submit">
        </form></center>
    </body>

</html>

```

FORM

First Name:

Last Name:

Email:

Phone no. :
phone number error

Password :
password length is less than 8

Confirm Password. :

Address:

9. Create a HTML form and write JavaScript to generate the invoice with one click of GENERATE INVOICE button. Take any 5 product with rate and quantity and display total for every product. Calculate Grand Total by including 18% GST.

```
<!DOCTYPE html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    table{
      border: 2px solid black;
      border-collapse: collapse;
    }
    input{
      margin: 5px;
    }
    th,td{
      border-bottom: 1px solid black;
    }
  </style>
</head>
<body>
  <table>
    <tr>
      <th>particulars</th>
      <th>rate</th>
      <th>quantity</th>
      <th>total</th>
    </tr><tr>
      <td>Product 1</td>
      <td><input type="text" id="rate1"></td>
      <td><input type="text" id="quantity1"></td>
      <td><input type="text" id="total1"></td>
    </tr><tr>
      <td>Product 2</td>
      <td><input type="text" id="rate2"></td>
      <td><input type="text" id="quantity2"></td>
      <td><input type="text" id="total2"></td>
    </tr><tr>
      <td>Product 3</td>
      <td><input type="text" id="rate3"></td>
      <td><input type="text" id="quantity3"></td>
      <td><input type="text" id="total3"></td>
    </tr><tr>
      <td>Product 4</td>
      <td><input type="text" id="rate4"></td>
      <td><input type="text" id="quantity4"></td>
      <td><input type="text" id="total4"></td>
    </tr><tr>
      <td>Product 5</td>
      <td><input type="text" id="rate5"></td>
      <td><input type="text" id="quantity5"></td>
      <td><input type="text" id="total5"></td>
    </tr><tr>
```



```

        <td colspan="4" style="text-align:center"> Tax : <input type="text" id="tax"> Based on a
18% GST</td>
    </tr><tr>
        <td colspan="4" style="text-align:center"> Grandtotal : <input type="text" id="grandtotal">
Vat included</td>
    </tr>
</table>
<script>
    let total1 = document.getElementById('total1');
    let total2 = document.getElementById('total2');
    let total3 = document.getElementById('total3');
    let total4 = document.getElementById('total4');
    let total5 = document.getElementById('total5');
    let p1total = 0;
    let p2total = 0;
    let p3total = 0;
    let p4total = 0;
    let p5total = 0;
    total1.addEventListener('click', function fun() {
        let rate1 = parseInt(document.getElementById('rate1').value);
        let quantity1 = parseInt(document.getElementById('quantity1').value);
        p1total = rate1 * quantity1;
        total1.value = p1total;

    });
    total2.addEventListener('click', function fun() {
        let rate2 = parseInt(document.getElementById('rate2').value);
        let quantity2 = parseInt(document.getElementById('quantity2').value);
        p2total = rate2 * quantity2;
        total2.value = p2total;
    });
    total3.addEventListener('click', function fun() {
        let rate3 = parseInt(document.getElementById('rate3').value);
        let quantity3 = parseInt(document.getElementById('quantity3').value);
        p3total = rate3 * quantity3;
        total3.value = p3total;
    });
    total4.addEventListener('click', function fun() {
        let rate4 = parseInt(document.getElementById('rate4').value);
        let quantity4 = parseInt(document.getElementById('quantity4').value);
        p4total = rate4 * quantity4;
        total4.value = p4total;
    });
    total5.addEventListener('click', function fun() {
        let rate5 = parseInt(document.getElementById('rate5').value);
        let quantity5 = parseInt(document.getElementById('quantity5').value);
        p5total = rate5 * quantity5;
        total5.value = p5total;
    });
    let tax = 0;
    let taxinpt = document.getElementById('tax');
    taxinpt.addEventListener('click', ()=>{
        tax = (p1total+p2total+p3total+p4total+p5total)*0.18;
        taxinpt.value = tax;
    });

```

```

let gt = document.getElementById('grandtotal');
gt.addEventListener('click', ()=>{
    gt.value = p1total+p2total+p3total+p4total+p5total+tax;
})

```

```

</script>
</body>
</html>

```

Output:-

particulars	rate	quantity	total
Product 1	<input type="text" value="120"/>	<input type="text" value="2"/>	<input type="text" value="240"/>
Product 2	<input type="text" value="200"/>	<input type="text" value="3"/>	<input type="text" value="600"/>
Product 3	<input type="text" value="2"/>	<input type="text" value="10"/>	<input type="text" value="20"/>
Product 4	<input type="text" value="5"/>	<input type="text" value="10"/>	<input type="text" value="50"/>
Product 5	<input type="text" value="50"/>	<input type="text" value="2"/>	<input type="text" value="100"/>
Tax : <input type="text" value="181.79999999999998"/> Based on a 18% GST			
Grandtotal : <input type="text" value="1191.8"/> Vat included			

10. A. Write a JQuery code to give animation to div on click of button.

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $("div").animate({ left: '250px' });
  });
});
</script>
</head>
<body>
```

```
<button>Start Animation</button>
```

<p>By default, all HTML elements have a static position, and cannot be moved. To manipulate the position, remember to first set the CSS position property of the element to relative, fixed, or absolute!</p>

```
<div style="background:#98bf21;height:100px;width:100px;position:absolute;"></div>
```

```
</body>
```

```
</html>
```

Output:

Start Animation

By default, all HTML elements have a static position, and cannot be moved. To manipulate the position, remember to first set the CSS position property of the element to relative, fixed, or absolute!



Start Animation

By default, all HTML elements have a static position, and cannot be moved. To manipulate the position, remember to first set the CSS position property of the element to relative, fixed, or absolute!



B. Write a JQuery code to add dynamic element on page on click of button.

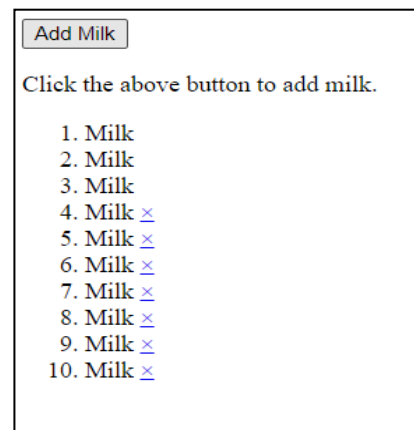
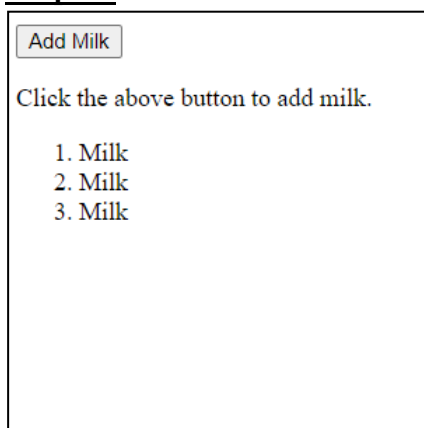
```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <title>jQuery Bind Click Event to Dynamically added Elements</title>
  <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
  <script>
    $(document).ready(function () {
      $("button").click(function () {
        $("ol").append("<li>Milk <a href='javascript:void(0);'
class='remove'>&times;</a></li>");
      });
      $(document).on("click", "a.remove", function () {
        $(this).parent().remove();
      });
    });
  </script>
</head>

<body>
  <button>Add Milk</button>
  <p>Click the above button to add milk. <p>
  <ol>
    <li>Milk</li><li>Milk</li><li>Milk</li>
  </ol>
</body>

</html>
```

Output:-



11. Write a jQuery program to demonstrate the use of mouse event, keyboard event and form event.

```
<!DOCTYPE html>
<html>

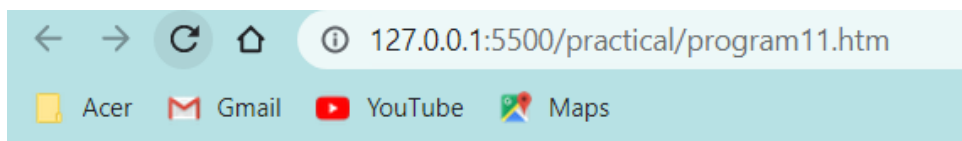
<head>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
  <script>
    $(document).ready(function () {
      $("#p1").mouseenter(function () {
        document.getElementById("p1").innerHTML = "You entered p1!";
      });
    });
  </script>
</head>

<body>

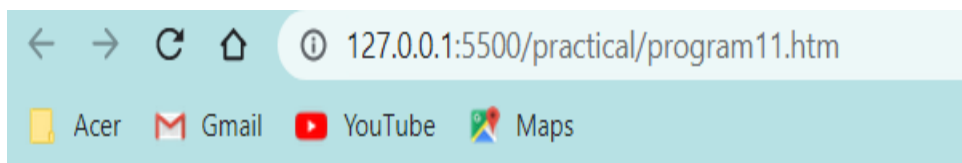
  <p id="p1">Enter this paragraph.</p>

</body>

</html>
```



Enter this paragraph.



You entered p1!

12. Write a jQuery program to demonstrate the use of display effect, fade effect and slide effect.

```
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
$(document).ready(function(){
    $("button").click(function(){
        $("#div1").fadeIn();
        $("#div2").fadeIn("slow");
        $("#div3").fadeIn(3000);
    });
});
</script>
<script>
$(document).ready(function(){
    $("#flip").click(function(){
        $("#panel").slideToggle("slow");
    });
});
</script>
<style>
#panel, #flip {
    padding: 5px;
    text-align: center;
    background-color: #e5eccc;
    border: solid 1px #c3c3c3;
}

#panel {
    padding: 50px;
    display: none;
}
</style>
</head>
<body>

<p>Demonstrate fadeIn() with different parameters.</p>

<button>Click to fade in boxes</button><br><br>

<div id="div1" style="width:80px;height:80px;display:none;background-color:red;"></div><br>
<div id="div2" style="width:80px;height:80px;display:none;background-color:green;"></div><br>
<div id="div3" style="width:80px;height:80px;display:none;background-color:blue;"></div>
<div id="flip">Click to slide the panel down or up</div>
<div id="panel">Hello world!</div>
</body>
</html>
```

Output:



Demonstrate fadeIn() with different parameters.

Click to fade in boxes

Click to slide the panel down or up

Demonstrate fadeIn() with different parameters.

Click to fade in boxes



Click to slide the panel down or up

Hello world!

13. A simple calculator web application that takes two numbers and an operator (+, /, * and %) from an HTML page and returns the result page with the operation performed on the operands.

```
<!doctype html>
<html>

<head>
  <script>
    var numOne, numTwo, res, temp, operator;

    function fun() {
      operator = document.getElementById("operator").value;
      numOne = parseInt(document.getElementById("one").value);
      numTwo = parseInt(document.getElementById("two").value);
      temp = document.getElementById("res");
      temp.style.display = "block";
      if (operator == "+") {
        res = numOne + numTwo;
        document.getElementById("result").value = res;
      } else if (operator == "%") {
        res = numOne % numTwo;
        document.getElementById("result").value = res;
      } else if (operator == "*") {
        res = numOne * numTwo;
        document.getElementById("result").value = res;
      } else if (operator == "/") {
        res = numOne / numTwo;
        document.getElementById("result").value = res;
      }
    }
  </script>
</head>

<body>

  <p id="input">Enter First Number: <input id="one">
    <br /><br />
    Enter Second Number: <input id="two"></p>
  Enter operator: <input id="operator"><br>
  <p><button onclick="fun()">Result: </button></p>
  <p id="res" style="display:none;">
    Result = <input id="result"></input><br /><br />
</body>

</html>
```


Output:

Enter First Number:

Enter Second Number:

Enter operator:

Result:

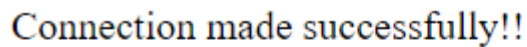
Result =

14. Write PHP program for student registration. Perform insert, display, update and delete operations from database. (use any database).

_db_connect.php

```
<?php
$server = "localhost ";
$username = 'root';
$password = "";
$database = "student";
$conn = mysqli_connect($server, $username, $password, $database);
if(!$conn)
die("Error " . mysqli_connect_error());
else
echo 'Connection made successfully!!'
?>
```

Output:-



welcome.php

```
<!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>Welcome</title>
  <style>
    div{
      display: flex;
      justify-content: center;
      align-items: center;
      margin-top: 210px;
    }
    li{
      font-size:30px;
    }
  </style>
</head>
<body>
```

```

<div>
  <ul>
    <li><a class="nav-link" href="insert.php">Insert</a></li>
    <li><a class="nav-link" href="display.php">Display</a></li>
    <li><a class="nav-link" href="update.php">Update</a></li>
    <li><a class="nav-link" href="delete.php">Delete</a></li>
  </ul>

</div>

</body>
</html>
Output:

```

- [Insert](#)
- [Display](#)
- [Update](#)
- [Delete](#)

insert.php

```

<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $gender = $_POST['gender'];
    if($gender == 'male') {
        $gender = 'm';
    }else $gender = 'f';
    require 'partials/_db_connect.php';
    $sql = "INSERT INTO student( name`, `email`, `gender`) values('$name', '$email', '$gender')";
    $result = mysqli_query($conn, $sql);
    if($result) {
        echo "<script>

```

```

        alert('Registration Successful');
    </script>";
}else {
    echo "<script>
    alert('Not Registered');
    </script>";
}
}
?>
<!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>Insert</title>
    <style>
        #container{
            display: flex;
            justify-content: center;
            align-items: center;
            margin-top:210px;
        }
        a{
            font-size:25px;
        }
    </style>
</head>
<body>
    <h2>
        <a href="/anant/registration/Welcome.php">Home</a>
    </h2>
    <div id="container">
        <form action="insert.php" method="post">
            <label for="name">Name : </label>
            <input type="text" name="name" id="name"><br><br>
            <label for="email">Email : </label>
            <input type="email" name="email" id="email">
            <h3>Gender</h3>
            <input type="radio" name="gender" id="male" value="male">
            <label for="male">Male</label>
            <input type="radio" name="gender" id="female" value="female">
            <label for="female">Female</label><br><br>
            <button type="submit" id="btn">Submit</button>
        </form>
    </div>

</body>
</html>

```

Output:

Name :

Email :

Gender

☒ Male
☐ Female

display.php

```

<?php
echo '<title>Display</title>';
echo '
<h2>
<a style="font-size:25px;" href="/anant/registration/Welcome.php">Home</a>
</h2>';
require 'partials/_db_connect.php';
$sql = 'SELECT * FROM student';
$result = mysqli_query($conn, $sql);
if($result) {
    $num = mysqli_num_rows($result);
    if($num > 0) {
        echo '<table border="2" cellspacing="3" cellpadding="2">
        <tr>
            <th>Name</th>
            <th>Email</th>
            <th>Gender</th>
        </tr>';
        while($row = mysqli_fetch_assoc($result)) {
            $gen = "Male";
            if($row['gender'] == 'f') $gen = 'Female';
            echo
            '<tr>
                <td>'.$row['name'].'</td>
                <td>'.$row['email'].'</td>
                <td>'.$gen.'</td>
            </tr>';
        }
        echo '</table>';
    }
}
?>

```

Output:

Home

Connection made successfully!!

Name	Email	Gender
EREN	eren@yaeger.com	Male
Sanji	sanji@loves.com	Male
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male

update.php

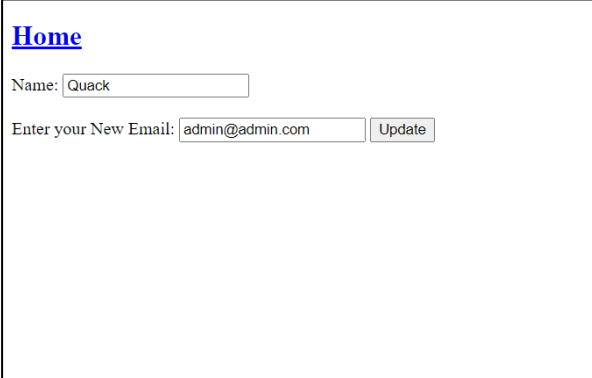
```
<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $email = $_POST['email'];
    require 'partials/_db_connect.php';
    $sql = "update student set `email` = '$email' where `name` = '$name'";
    $result = mysqli_query($conn, $sql);
    if($result) {
        echo "<script>
        alert('Updation Successful');
        </script>";
    }else {
        echo "<script>
        alert('User Not Found');
        </script>";
    }
}
?>
<!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>Update</title>
    <style>
        a{
            font-size:25px;
        }
    </style>
</head>
<body>
```

```

<h2>
  <a href="/anant/registration/Welcome.php">Home</a>
</h2>
<form action="update.php" method="post">
  <label for="name">Name:</label>
  <input type="text" placeholder="Enter Name" name="name"><br><br>
  <label for="email">Enter your New Email:</label>
  <input type="email" placeholder="Enter new Email" name="email">
  <button type="submit">Update</button>
</form>
</body>
</html>

```

Output:



delete.php

```

<?php
if($_SERVER['REQUEST_METHOD'] == 'POST') {
  $name = $_POST['name'];
  require 'partials/_db_connect.php';
  $sql = "delete from `student` where `name`='$name'";
  $result = mysqli_query($conn, $sql);
  if($result) {
    echo "<script>
    alert('Deletion Successful');
    </script>";
  }else {
    echo "<script>
    alert('User Not Found');
    </script>";
  }
}
?>
<!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>Delete</title>
  <style>
    a{

```

```

        font-size:25px;
    }
</style>
</head>

<body>
    <h2>
        <a href="/anant/registration/Welcome.php">Home</a>
    </h2>
    <form action="delete.php" method="post">
        <label for="name">Name:</label>
        <input type="text" placeholder="Enter Name" name="name">
        <button type="submit">Delete</button>
    </form>
</body>
</html>
Output:

```

Before deletion:-

[Home](#)

Connection made successfully!!

Name	Email	Gender
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male
sanji	robin_chan@islove.com	Male

Deletion command:-

Connection made successfully!!

[Home](#)

Name:

Sanji
sanji

After deletion:-

[Home](#)

Connection made successfully!!

Name	Email	Gender
Hinata	ilove@naruto.com	Female
Gon	dad@where.com	Male

15. Write a PHP program to store current date-time in a COOKIE and display the ‘Last visited on’ date-time on the web page upon reopening of the same page.

```
<?php
// time for 60 days in future
$cookie_value = time() + 60*60*60*24;
setcookie('lastvisit' , date("G:i , m/d/y") , $cookie_value , )
?>
<?php
if(isset($_COOKIE['lastvisit']))
{
    echo "Your last visit time and date are : " . $_COOKIE['lastvisit'] . "<br>";
    setcookie('lastvisit',"",time()-3600);
}
else{
    echo "This is your first visit <br>";
}
?>
```

Output:

This is your first visit

Your last visit time and date are : 4:06 , 06/16/22