## Program No 1

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Change Para Style</title>
</head>
<body>
    <p id="para">JavaScript is a Client Side Scripting Language. It is used to create interactive websites.</p>
    <center><input type="button" value="Change Style" onclick="change()"></center>
</body>
<script>
    var size=30;
    function change(){
        var para=document.getElementById("para");
        para.style.color="Red";
        para.style.fontFamily="Comic sans";
        para.style.fontSize=`${size}px`;
        size+=10;
    }
</script>
</html>
```

Program No 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Get Full-Name</title>
</head>
<body>
    First Name : <input type="text" id="fName" name="name"><br><br>
    Middle Name: <input type="text" id="mName" name="name"><br><br>
    Last Name  : <input type="text" id="lName" name="name"><br><br><br>
    <input type="button" value="Submit" onclick="getFullName()">
</body>
<script>
    function getFullName(){
        var names=document.getElementsByName("name");
        var fullName=`${names[0].value} ${names[1].value} ${names[2].value}`;
        document.write(fullName);
    }
</script>
</html>
```

## Program No 3

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Change Para Background Color</title>
</head>
<body>
    <center id="p1">Government Polytechnic Jalgaon</center><br>
    <center id="p2">Department of Computer Engineering</center><br>
    <center><input type="button" value="Change the paragraph Background Color"
onclick="change()"></center>
</body>
<script>
    function change(){
        var p1=document.getElementById("p1");
        var p2=document.getElementById("p2");
        p1.style.backgroundColor="Red";
        p1.style.padding="20px"
        p2.style.backgroundColor="Green";
        p2.style.padding="20px"
    }
</script>
</html>
```

# Program No 4

```html
<!DOCTYPE html>
<html lang="en">
<style>
    .btns{
        padding: 10px;
        margin: 15px;
    }
</style>
<body>
    Enter First Number: <input type="text" id="num1"><br><br>
    Enter Second Number: <input type="text" id="num2"><br><br>
    Result: <input type="text" id="result" readonly><br><br>
    <input type="button" value="Addition" name="operations" class="btns"
onclick="add()">
    <input type="button" value="Subtraction" name="operations" class="btns"
onclick="sub()">
    <input type="button" value="Multiplication" name="operations" class="btns"
onclick="mul()">
    <input type="button" value="Division" name="operations" class="btns"
onclick="div()">
</body>
<script>
    var num1=document.getElementById("num1");
    var num2=document.getElementById("num2");
    var resultNum;
    function add(){
        resultNum=parseFloat(num1.value)+parseFloat(num2.value);
        document.getElementById("result").value=resultNum.toString();
    }
    function sub(){
        resultNum=parseFloat(num1.value)-parseFloat(num2.value);
        document.getElementById("result").value=resultNum.toString();
    }
    function mul(){
        resultNum=parseFloat(num1.value)*parseFloat(num2.value);
        document.getElementById("result").value=resultNum.toString();
    }
    function div(){
        resultNum=parseFloat(num1.value)/parseFloat(num2.value);
        document.getElementById("result").value=resultNum.toString();
    }
</script>
</html>
```

Program No 5

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Billing Page</title>
</head>
<style>
    td{
        padding: 5px 20px;
    }
    #calbtn{
        padding: 5px 50px;
    }
</style>
<body>
    <table>
        <tr><td colspan="4"><center><b>Book Shop</b></center></td></tr>
        <tr>
            <td>Item Name</td>
            <td>Rate</td>
            <td>Quantity</td>
            <td>Amount</td>
        </tr>
        <tr>
            <td>Pen</td>
            <td><input type="text" size="5" name="rates" value="5"
readonly></td>
            <td><input type="text" size="5" name="quantities" value="0"
onkeyup="quantityChanged()"></td>
            <td><input type="text" size="5" name="amounts"  readonly></td>
        </tr>
        <tr>
            <td>Pencil</td>
            <td><input type="text" size="5" name="rates" value="2"
readonly></td>
            <td><input type="text" size="5" name="quantities" value="0"
onkeyup="quantityChanged()"></td>
            <td><input type="text" size="5" name="amounts" readonly></td>
        </tr>
        <tr>
            <td>Notebook</td>
            <td><input type="text" size="5" name="rates" value="50"
readonly></td>
            <td><input type="text" size="5" name="quantities" value="0"
onkeyup="quantityChanged()"></td>
```

```html
            <td><input type="text" size="5" name="amounts" readonly></td>
        </tr>
        <tr>
            <td>Calculator</td>
            <td><input type="text" size="5" name="rates" value="200"
readonly></td>
            <td><input type="text" size="5" name="quantities" value="0"
onkeyup="quantityChanged()"></td>
            <td><input type="text" size="5" name="amounts" readonly></td>
        </tr>
        <tr>
            <td colspan="4"><center>Total Bill:  <input type="text" size="15"
id="total" readonly></center></td>
        </tr>
        <tr>
            <td colspan="4"><center><input type="button" value="Calculate
Bill" id="calbtn" onclick="calculate()"></center></td>
        </tr>
    </table>
</body>
<script>
    var rates=document.getElementsByName("rates");
    var quantities=document.getElementsByName("quantities");
    var amounts=document.getElementsByName("amounts");
    function quantityChanged(){
        for(var i=0;i<rates.length;i++)
            amounts[i].value=(parseFloat(rates[i].value) *
parseFloat(quantities[i].value)).toString();
    }
    function calculate(){
        var total=0;
        for(var i=0;i<amounts.length;i++)
            total=total+parseFloat(amounts[i].value);
        document.getElementById("total").value=total.toString();
    }
</script>
</html>
```

## Program No 6

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Calculate Sphere Volume</title>
</head>
<body>
    Radius <br>
    <input type="text" id="radius"><br><br>
    Volume <br>
    <input type="text" id="volume" readonly><br>
    <input type="button" value="Calculate" onclick="calc()">
</body>
<script>
    function calc(){
        var radius=parseFloat(document.getElementById("radius").value);

document.getElementById("volume").value=(4/3)*3.141592*Math.pow(radius,3);
    }
</script>
</html>
```

## Program No 7

```html
<!DOCTYPE html>
<html lang="en">
<body>
    <select id="list">
        <option value="Red">Red</option>
        <option value="Green">Green</option>
        <option value="White">White</option>
        <option value="Black">Black</option>
    </select>
    <input type="button" value="Select and Remove" onclick="remove()">
</body>
<script>
    function remove(){
        var list=document.getElementById("list");
        var index=list.options.selectedIndex;
        list.options[index]=null;
    }
</script>
</html>
```

## Program No 8

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
</head>
<body>
    Gender: <br>
    <input type="radio" name="gender" value="male">Male
    <input type="radio" name="gender" value="female">Female <br><br><br>
    Age: <br>
    <input type="radio" name="age"  value="below18"> Below 18 Yr. <br>
    <input type="radio" name="age" value="18to21"> Above 18 Yr. but below 21
Yr. <br>
    <input type="radio" name="age"  value="above21"> Above 21 <br><br>

    <input type="button" value="Submit" onclick="check()">
</body>
<script>
    function check(){
        var gender=document.getElementsByName("gender");
        var age=document.getElementsByName("age");
        if(gender[0].checked && age[2].checked)
            alert("Valid Age for Marriage");
        else if(gender[1].checked && (age[1].checked || age[2].checked))
            alert("Valid Age for Marriage");
        else
            alert("Invalid Age for Marriage");
    }
</script>
</html>
```

Program No 9

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Select College</title>
</head>
<body>
    <select id="colleges">
        <option value="none">Choose College</option>
        <option value="GCOEJ">GCOEJ</option>
        <option value="COEP">COEP</option>
        <option value="VJTI">VJTI</option>
        <option value="MITP">MITP</option>
        <option value="VNIT">VNIT</option>
    </select>
    <input type="button" value="Confirm Choice" onclick="confirm()">
</body>
<script>
    function confirm(){
        var clg=document.getElementById("colleges").value;
        if(clg=="none"){
            alert("Try Again in next Round");
        }
        else{
            alert(`Confirm My Choice ${clg}`);
        }
    }
</script>
</html>
```