

## Bill Calculator

A Grocery Shop requires an application for Bill Calculation. The person generating the bill is supposed to enter the product details. Using the output tag, the total price is displayed. Concepts covered: Web Forms 2.0 – input tag, output tag, placeholder attribute and required attribute. The following are the screenshots of the Bill Calculator

### Bill Calculator

A screenshot of a web form titled 'Bill Calculator'. The form has a pink border and contains five rows of input fields. The first row is 'Product Name' with a text input field. The second row is 'Product Price in Rs.' with a text input field. The third row is 'Quantity' with a text input field containing the placeholder 'Enter quantity'. The fourth row is 'Total Price in Rs.' with a text input field. The fifth row is a 'Submit' button. Arrows point from the labels to the input fields with the following IDs: 'id=productName' for Product Name, 'id=price' for Product Price in Rs., 'id=qty' for Quantity, 'id=totalprice' for Total Price in Rs., and 'id=submit' for the Submit button.

### Bill Calculator

A screenshot of the same 'Bill Calculator' form, but with sample data entered. The 'Product Name' field contains 'Bowl', the 'Product Price in Rs.' field contains '150', the 'Quantity' field contains '10', and the 'Total Price in Rs.' field contains '1500'. The 'Submit' button is still present.

Use the Label Name and the Component Id as given. The Component Id can be given in any case (Upper case or Lower case or Mixed case). All the necessary attributes for the Components should be given. The Component Id should be specified for each HTML Component. If the Component Id is not provided for an HTML component, marks will not be provided for that component. All Tags, Elements and Attributes should conform to HTML5 Standards. All the fields are mandatory. Provide the details as given in the table below.

Req. #	Req. Name	Req. Description

1	Design a Web page "Bill Calculator" with the specified fields.	<table> <tr> <th data-bbox="608 275 778 465">Label Name</th><th data-bbox="778 275 1045 465">Component Id (Specify it for the "id" attribute)</th><th data-bbox="1045 275 1386 465">Description</th></tr> <tr> <td data-bbox="608 465 778 922">Product Name</td><td data-bbox="778 465 1045 922">productName</td><td data-bbox="1045 465 1386 922">To enter the product name. Design Constraints: Use type="text". The text "Product Name" should appear by default. It is mandatory.</td></tr> <tr> <td data-bbox="608 922 778 1402">Product Price in Rs.</td><td data-bbox="778 922 1045 1402">price</td><td data-bbox="1045 922 1386 1402">To enter the price of the product. Design Constraints: Use type="number". The text "Product Price" should appear by default. It is mandatory.</td></tr> <tr> <td data-bbox="608 1402 778 1955">Quantity</td><td data-bbox="778 1402 1045 1955">qty</td><td data-bbox="1045 1402 1386 1955">To enter the product quantity. Design Constraints: Use type="number". The text "Enter quantity" should appear by default. Assume that the min value is "1". It is mandatory.</td></tr> </table>	Label Name	Component Id (Specify it for the "id" attribute)	Description	Product Name	productName	To enter the product name. Design Constraints: Use type="text". The text "Product Name" should appear by default. It is mandatory.	Product Price in Rs.	price	To enter the price of the product. Design Constraints: Use type="number". The text "Product Price" should appear by default. It is mandatory.	Quantity	qty	To enter the product quantity. Design Constraints: Use type="number". The text "Enter quantity" should appear by default. Assume that the min value is "1". It is mandatory.
Label Name	Component Id (Specify it for the "id" attribute)	Description												
Product Name	productName	To enter the product name. Design Constraints: Use type="text". The text "Product Name" should appear by default. It is mandatory.												
Product Price in Rs.	price	To enter the price of the product. Design Constraints: Use type="number". The text "Product Price" should appear by default. It is mandatory.												
Quantity	qty	To enter the product quantity. Design Constraints: Use type="number". The text "Enter quantity" should appear by default. Assume that the min value is "1". It is mandatory.												

		<table><tr><td>Total Price in Rs.</td><td>totalprice</td><td>To display the total price of the product. Design Constraints: Use output tag. It is mandatory.</td></tr><tr><td>Submit</td><td>submit</td><td>The input type submit must be used.</td></tr></table>	Total Price in Rs.	totalprice	To display the total price of the product. Design Constraints: Use output tag. It is mandatory.	Submit	submit	The input type submit must be used.
Total Price in Rs.	totalprice	To display the total price of the product. Design Constraints: Use output tag. It is mandatory.						
Submit	submit	The input type submit must be used.						
		<p>NOTE: The text highlighted in bold in the Description needs to be implemented in the code to complete the web page design.</p>						

4	form Tag with attribute onsubmit	<p>form Tag is already given in the code template. Do not change the code template and do the coding as per the requirements and specifications.</p> <p>Make sure that the onsubmit attribute in the form tag invokes the JavaScript function like "return calculateTotalPrice()".</p> <p>Also ensure that the "return false;" statement is the last line of the JavaScript function "calculateTotalPrice()".</p>
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Code Bashers

Htmlcode.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Bill Calculator</title>
    <link rel="stylesheet" href="billcalc.css">
    <script >
      function calculateTotalPrice()
      {
        var a=document.getElementById("price").value;
        var b=document.getElementById("qty").value;
        document.getElementById("totalprice").innerHTML=a*b;
      }
    </script>
  </head>
  <body>
    <h1>Bill Calculator</h1>
    <form onsubmit="return calculateTotalPrice(); return false;">
      <table>
        <tr>
          <td><lable for="productName">Product Name</lable></td>
          <td><input type="text" id="productName"
placeholder="Product Name" required></td>
        </tr>
        <tr>
          <td><label for="price">Product Price in Rs.</label></td>
          <td><input type="number" id="price" placeholder="Product
Price" required min="1"></td>
        </tr>
        <tr>
          <td><label for="qty">Quantity</label></td>
          <td><input type="number" id="qty" placeholder="Enter
quantity" required></td>
        </tr>
        <tr>
          <td><label for="totalprice">Total Price in
Rs.</label></td>
          <td><output id="totalprice" name="totalprice" for="price
qty" required></output></td>
        </tr>
        <tr>
          <td colspan="2"><input type="submit" id="submit"></td>
        </tr>
      </table>
    </form>
  </body>
</html>
```

csscode.css

```
h1{
  text-align:center;
  color:#FF00FF;
  font-style:italic;
  font-weight:bold;
}

table{
  text-align:left;
  margin-left:35%;
  border-spacing:10px;
  border-width:10%;
  border-style:solid;
  background-color:#F899A4;
}
td{
  border-style:ridge;
  padding:10px;
}
```

## EMI Calculator

The Silver Bank requires a EMI Calculator for the ease of it's customers. The customers are asked to fill a form regarding their EMI details. The customers can know about the EMI to be paid per month for the loan taken.

Concept covered: Javascript Deep Dive – Math, number, functions

The following are the screenshots for EMI Calculator

**EMI Calculator**

Principal Amount in Rs.	<input type="text" value="500000"/>	→ <code>id=principalAmount</code>
Interest Per Annum	<input type="text" value="11"/>	→ <code>id=interestRate</code>
Tenure in Months	<input type="text" value="24"/>	→ <code>id=tenure</code>
<input type="button" value="Calculate"/> <input type="button" value="Clear"/>		

↓ `id=submit`    ↓ `id=reset`

**EMI Calculator**

Principal Amount in Rs.	<input type="text" value="500000"/>
Interest Per Annum	<input type="text" value="11"/>
Tenure in Months	<input type="text" value="24"/>
<input type="button" value="Calculate"/> <input type="button" value="Clear"/>	
EMI is Rs.23303.92	

↓ `div id=result`

Use the Label Name and the Component Id as given. The Component Id can be given in any case (Upper case or Lower case or Mixed case). All the necessary attributes for the Components should be given.

The Component Id should be specified for each HTML Component. If the Component Id is not provided for a HTML component, the marks will not be provided for this component.

All Tags, Elements and Attributes should conform to HTML5 Standards. All the fields are mandatory.

Provide the details as given in the table below.

Req. #	Req. Name	Req. Description

1	Design a Web page "EMI Calculator" with the specified fields.	<table> <tr> <th data-bbox="612 244 794 434">Label Name</th><th data-bbox="794 244 1069 434">Component Id (Specify it for the "id" attribute)</th><th data-bbox="1069 244 1386 434">Description</th></tr> <tr> <td data-bbox="612 434 794 958">Principal Amount in Rs.</td><td data-bbox="794 434 1069 958">principalAmount</td><td data-bbox="1069 434 1386 958">           To enter the principal amount.             Design Constraints:             It should be a numeric field.             The text "Principal Amount" should appear by default.             It should be mandatory.         </td></tr> <tr> <td data-bbox="612 958 794 1482">Interest Per Annum</td><td data-bbox="794 958 1069 1482">interestRate</td><td data-bbox="1069 958 1386 1482">           To enter the interest rate percentage.             Design Constraints:             It should be a numeric field.             The text "Interest Per Annum" should appear by default.             It should be mandatory.         </td></tr> <tr> <td data-bbox="612 1482 794 2007">Tenure in Months</td><td data-bbox="794 1482 1069 2007">tenure</td><td data-bbox="1069 1482 1386 2007">           To enter the tenure in months.             Design Constraints:             It should be a numeric field.             The text "Tenure in Months" should appear by default.             It should be mandatory.         </td></tr> </table>	Label Name	Component Id (Specify it for the "id" attribute)	Description	Principal Amount in Rs.	principalAmount	To enter the principal amount.  Design Constraints:  It should be a numeric field.  The text "Principal Amount" should appear by default.  It should be mandatory.	Interest Per Annum	interestRate	To enter the interest rate percentage.  Design Constraints:  It should be a numeric field.  The text "Interest Per Annum" should appear by default.  It should be mandatory.	Tenure in Months	tenure	To enter the tenure in months.  Design Constraints:  It should be a numeric field.  The text "Tenure in Months" should appear by default.  It should be mandatory.
Label Name	Component Id (Specify it for the "id" attribute)	Description												
Principal Amount in Rs.	principalAmount	To enter the principal amount.  Design Constraints:  It should be a numeric field.  The text "Principal Amount" should appear by default.  It should be mandatory.												
Interest Per Annum	interestRate	To enter the interest rate percentage.  Design Constraints:  It should be a numeric field.  The text "Interest Per Annum" should appear by default.  It should be mandatory.												
Tenure in Months	tenure	To enter the tenure in months.  Design Constraints:  It should be a numeric field.  The text "Tenure in Months" should appear by default.  It should be mandatory.												



	Calculate	submit	The input type submit must be used.
	Clear	reset	Reset Button. On clicking this button, all fields should be reset.

NOTE: The text highlighted in bold in the Description needs to be implemented in the code to complete the web page design.

3	Use JavaScript for displaying the calculated EMI	<p>Use JavaScript for displaying the calculated EMI:</p> <p>When the customer enters the valid values and clicks the "Submit" button, the calculated EMI Amount is displayed as follows:</p> <p>The result should be displayed as "EMI is Rs. <i>EMI</i>" in a div tag with id "result".</p> <p>Note: Use the <code>getElementsByName()</code> or <code>getElementById()</code> function to retrieve the values.</p>
4	form Tag with attribute onsubmit	<p>form Tag is already given in the code template. Do not change the code template and do the coding as per the requirements and specification.</p> <p>Make sure that the onsubmit attribute in the form tag is invoking the JavaScript function like "return calculateEMI()".</p> <p>Also ensure that "return false;" statement is the last line of the JavaScript function "calculateEMI()".</p> <p>The EMI is calculated using the following formulae:</p> $EMI = P * R * ((1 + R)^N / ((1 + R)^N - 1))$ <p>where P -&gt; Principal amount</p> <p>R -&gt; rate of interest per month = <math>(r/100) / 12</math></p> <p>r -&gt; rate of Interest per annum</p> <p>N -&gt; tenure in months.</p> <p>Use <code>toFixed()</code> function to display only two numbers after the decimal point in the calculated EMI.</p> <p>For Example, the EMI is calculated as follows:</p> <p>P = Rs. 1,00,000</p> <p>r = 10% R = <math>(10/100) / 12</math></p> <p>N = 24 months</p> <p>EMI is Rs.4614.49</p>

Htmlcode.html

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>EMI Calculator</title>
    <script type="text/javascript" src="EMICalculator.js"></script>

    <style>
      h1{
        text-align: center;
        color: #F00000;
        font-style: italic;
        font-weight: bold;
      }

      table{
        text-align: left;
        margin-left: 35%;
        background-color: #AA99A4 ;
      }
      td{
        padding: 10px;
      }
    </style>

  </head>
  <body>
    <form onsubmit="return calculateEMI()" >
      <h1>EMI Calculator</h1>
      <table>
        <tr>
          <td><label id="l_principalAmount" >Principal Amount in
Rs.</label></td>
          <td><input type="number" id="principalAmount"
placeholder="Principal Amount" required></td>
        </tr>
        <tr>
          <td><label id="l_interestRate">Interest Per
Annum</label></td>
          <td><input type="number" id="interestRate"
placeholder="Interest Per Annum" required></td>
        </tr>
        <tr>
          <td><label id="l_tenure">Tenure in Months</label></td>
          <td><input type="number" id="tenure"
placeholder="Tenure in Months" required></td>
        </tr>
        <tr>
          <td align="right"><input type="submit" id="submit"
value="Calculate" > </td>
```

```
        <td align="left"><input type="reset" id="reset"
value="Clear" > </td>
    </tr>
    <tr>
        <td colspan="2"> <div id="result"></div> </td>
    </tr>
</table>
</form>
</body>
</html>
```

jscode.js

```
function calculateEMI(){
    var P = document.getElementById("principalAmount").value;
    var r = document.getElementById("interestRate").value;
    var R = (r/100)/12;
    var N = document.getElementById("tenure").value;
    var EMI = (P * R *
Math.pow((1+R),N) / (Math.pow((1+R),N)-1)).toFixed(2);
    document.getElementById("result").innerHTML = "EMI is Rs."+EMI;
    return false;
}
```

## FeedBack Details

### Feedback Details

Get the feedback details from the user and add it to an array. Display the feedback details in the format as shown in the screenshot.

Concept covered: functions, arrays, control structures and loops, String

Problem Specification:

1. File name should be index.html.
2. Create an external script file named script.js.
3. Use h2 tag for the title of Feedback Details.
4. Display all the feedbacks followed by a new line separator after printing the above title.
5. Refer Sample screenshot for more specifications.
6. Include the script file in html page.
7. The "Add Feedback" button will add the feedback details to an array.
8. The "View Feedback" button will display all the feedbacks (multiple feedbacks) in the format as shown in the screenshot in the result div.
9. Include the below functions/methods in the java script file

Function Name	Description
addFeedback()	It is used to add the feedback details to an array. After clicking the Add Feedback button, clear the text area and display the response message as "Successfully Added Feedback Details!".
displayFeedback()	It is used to display the feedback details. After displaying the feedback details clear the array.

[Note:Strictly adhere to the specifications given in the screenshot. Use the same id names for all the corresponding fields specified.]

Sample Input/Output:

Screen1:

## Feedback for the ART OF LIVING session

Enter the Feedback :

Add Feedback

View Feedback

Screen 2

## Feedback for the ART OF LIVING session

Enter the Feedback :

Very Good  
Course is very interesting and  
useful

Add Feedback

View Feedback

Screen 2.1

## Feedback for the ART OF LIVING session

Enter the Feedback :

Add Feedback

View Feedback

### Feedback Details

Successfully Added Feedback Details!

Screen 3

## Feedback for the ART OF LIVING session

**id= feedback**

Enter the Feedback :

**id=create**

Add Feedback

**id=view**

View Feedback

### Feedback Details

Feedback 1

Very Good Course is very interesting and useful

Feedback 2

Average Tough for beginners

Feedback 3

Excellent Very Informative

**div id=result**

Code Bashers

Htmlcode.html

```
<html>
  <head>
    <script src="script.js" type="text/javascript"> </script>
  </head>
  <body>
    <h2>Feedback for the ART OF LIVING session</h2>
    <table>
      <tr>
        <td>Enter the Feedback</td>
        <td><textarea id="feedback" type="text"></textarea></td>
      </tr>
      <tr>
        <td><button id="create" onclick="addFeedback()">Add
Feedback</button></td>
      </tr>
      <tr>
        <td><button id="view" onclick="displayFeedback()">View
Feedback</button></td>
      </tr>
    </table>
    <div id="result" ><h2>Feedback Details</h2></div>
  </body>
</html>
```

jscode.js

```
var Feedback=[];
function addFeedback(){
  var string=document.getElementById("feedback").value;
  Feedback.push(string);
  document.getElementById("feedback").value = "";
  document.getElementById("result").innerHTML = "<h2>" + "Feedback
Details " + "</h2>"+"Successfully Added Feedback Details!";
}

function displayFeedback(){
  document.getElementById("result").innerHTML="";
  document.getElementById("result").innerHTML += "<h2>" + "Feedback
Details " + "</h2>";
  for (var i=0;i<Feedback.length;i++) {
    document.getElementById("result").innerHTML += "Feedback " +
(i+1) + "<br>"+Feedback[i]+"<br>";
  }
  Feedback=[];
}
```



Code Bashers

## Fixed and Reducing Interest Loan Estimator

Fixed And Reducing Interest Loan Estimator The Olympus Bank requires a Fixed and Reducing Interest Loan Estimator for the ease of it's customers. The customers are asked to fill a form regarding their loan details. The customers can know about the Total Payment, Total Interest and the Monthly EMI to be paid for the loan taken based on both the Fixed and Reducing Interest.

The following are the screenshots for Fixed And Reducing Interest Loan Estimator

### *Fixed And Reducing Loan Estimator*

Principal Loan Amount (Rs.)

Interest Rate (%)

Tenure (in months)

**Loan Estimation**

Details	Reducing Interest Loan	Fixed Interest Loan
Total Interest Rs.		
Total Payment Rs.		
Monthly EMI Rs.		

Annotations:   
id=principalAmount (points to Principal Loan Amount field)  
id=interestRate (points to Interest Rate field)  
id=tenure (points to Tenure field)  
id=Estimate (points to Estimate button)

### *Fixed And Reducing Loan Estimator*

Principal Loan Amount (Rs.)

Interest Rate (%)

Tenure (in months)

**Loan Estimation**

Details	Reducing Interest Loan	Fixed Interest Loan
Total Interest Rs.	304545.38	550000.00
Total Payment Rs.	1304545.38	1550000.00
Monthly EMI Rs.	21742.42	25833.33

Annotations:   
output id=tInterest (points to Total Interest Rs. header)  
output id=tInterestFixed (points to Total Interest Rs. value for Fixed Interest Loan)  
output id=tPaymentFixed (points to Total Payment Rs. value for Fixed Interest Loan)  
output id=EMIFixed (points to Monthly EMI Rs. value for Fixed Interest Loan)  
output id=tPayment (points to Total Payment Rs. value for Reducing Interest Loan)  
output id=EMI (points to Monthly EMI Rs. value for Reducing Interest Loan)

Use the Label Name and the Component Id as given. The Component Id can be given in any case (Upper case or Lower case or Mixed case). All the necessary attributes for the Components should be given.

The Component Id should be specified for each HTML Component. If the Component Id is not provided for a HTML component, the marks will not be provided for this component.

All Tags, Elements and Attributes should conform to HTML5 Standards. All the fields are mandatory.

Provide the details as given in the table below.

Req. Name	Req. Description		
	Label Name	Component Id (Specify it for the "id" attribute)	Description
Design a Web page "Fixed And Reducing Loan Estimator" with the specified fields.	Principal Loan Amount (Rs.)	principalAmount	To enter the principal amount for the loan. <b>Design Constraints:</b> The text "Principal Amount" should appear by default. It should be mandatory.
	Interest Rate (%)	interestRate	To enter the interest rate percentage. <b>Design Constraints:</b> The text "Interest Per Annum" should appear by default. It should be mandatory.
	Tenure (in months)	tenure	To enter the tenure in months. <b>Design Constraints:</b> The text "Tenure in Months" should appear by default. It should be mandatory.
	Estimate	Estimate	The input type button must be used.
<b>NOTE:</b> The text highlighted in bold in the Description needs to be implemented in the code to complete the web page design.			

Req. Name	Req. Description
Use JavaScript for displaying the calculated EMI, Total Payment and Total Interest for both the Fixed And Reducing Loan Interest	<p>Use JavaScript for displaying the calculated EMI, Total Payment and Total Interest for both the Fixed And Reducing Loan Interest</p> <p>When the customer enters the valid values and clicks the "Estimate" button, the Reducing Interest Loan is displayed as follows:</p> <p>The result should be displayed as</p> <p><b>"totalInterest"</b> in a output tag with id "tInterest".</p> <p><b>"totalPayment"</b> in a output tag with id "tPayment".</p> <p><b>"EMI"</b> in a output tag with id "EMI".</p> <p>The Fixed Interest Loan is displayed as follows:</p> <p><b>"totalInterest"</b> in a output tag with id "tInterestFixed".</p> <p><b>"totalPayment"</b> in a output tag with id "tPaymentFixed".</p> <p><b>"EMI"</b> in a output tag with id "EMIFixed".</p> <p><b>Note:</b> Use the <code>getElementsByName()</code> or <code>getElementById()</code> function to retrieve the values.</p>
form Tag with attribute onsubmit	<p>form Tag is already given in the code template. Do not change the code template and do the coding as per the requirements and specification.</p> <p>Make sure that the onclick attribute in the buttoncomponent with id="Estimate" is invoking the JavaScript function like "EstimateReducingInterestLoan ()".</p> <p>For the Reducing Interest Loan:</p> <p>The EMI is calculated using the following formulae:</p> $EMI = P R ((1 + R) ^ N / ((1 + R) ^ N - 1))$ <p>where P -&gt; Principal amount</p> <p>R -&gt; rate of interest per month = (r / 100) / 12</p> <p>r -&gt; rate of Interest per annum, N -&gt; tenure in months.</p> <p>Use <code>toFixed()</code> function to display only two numbers after the decimal point in the calculated EMI. For Example, the EMI is calculated as follows:</p> <p>P = Rs. 1,00,000</p> <p>r = 10% R = (10 / 100) / 12</p> <p>N = 24 months</p> <p>EMI is Rs.4614.49</p> <p>The Total Payment is calculated using the following formulae:</p> $totalPayment = EMI \times tenure\_months$ <p>The Total Interest is using the following formulae:</p> $totalInterest = totalPayment - principalAmount$ <p>For the Fixed Interest Loan:</p> <p>The Total Interest is using the following formulae:</p> $totalInterest = principalAmount \times interestRate / 100 \times tenure\_years$ <p>The Total Payment is calculated using the following formulae:</p> $totalPayment = principalAmount + totalInterest$ <p>The EMI is calculated using the following formulae:</p>

Req. Name

Req. Description

*EMI = totalPayment / (tenure\_years 12)*

Use toFixed() function to display only two numbers after the decimal point in the totalInterest, totalPayment and the calculated EMI.

Code Bashers

Htmlcode.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Reducing Interest Loan Estimation</title>
  <style type="text/css">
    h2 {
      text-align: center;
      color: #FF0000;
      font-style: italic;
      font-weight: bold;
    }

    table {
      text-align: left;
      background-color: #FFE77A;
      padding: 10px;
    }

    thead {
      text-align: center;
    }

    #tablemain {
      margin-left: 35%;
    }

    #Estimate {
      background-color: #F1F334;
      color: #000000;
      font-size: 15px;
      height: 35px;
      width: 100px;
    }
  </style>
</head>
<body>
<h2>Reducing Interest Loan Estimation</h2>
<table id="tablemain">
  <tbody>
    <tr>
      <td>
        <table>
          <tbody>
            <tr>
              <td>
                <label for="principalAmount">Principal Loan
Amount (Rs.)</label>
              </td>
            <td>
```

```

        <input type="text" id="principalAmount"
placeholder="Principal Amount" required>
    </td>
</tr>
<tr>
    <td>
        <label for="interestRate">Interest Rate
(%)</label>
    </td>
    <td>
        <input type="text" id="interestRate"
placeholder="Interest Per Annum" required>
    </td>
</tr>
<tr>
    <td>
        <label for="tenure">Tenure (in months)</label>
    </td>
    <td>
        <input type="text" id="tenure"
placeholder="Tenure in Months" required>
    </td>
</tr>
<tr>
    <td></td>
    <td align="left" style="padding: 10px">
        <input id="Estimate" type="button"
value="Estimate" onclick="EstimateReducingInterestLoan()">
    </td>
</tr>
</tbody>
</table>
</td>
</tr>
<tr>
    <td>
        <table border="1">
            <caption><b>Loan Estimation</b></caption>
            <thead>
                <tr>
                    <th>Details</th>
                    <th>Reducing Interest Loan</th>
                    <th>Fixed Interest Loan</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>Total Interest Rs.</td>
                    <td>
                        <output id="tInterest"></output>

```

```

        </td>
        <td>
            <output id="tInterestFixed"></output>
        </td>
    </tr>
    <tr>
        <td>Total Payment Rs.</td>
        <td>
            <output id="tPayment"></output>
        </td>
        <td>
            <output id="tPaymentFixed"></output>
        </td>
    </tr>
    <tr>
        <td>Monthly EMI Rs.</td>
        <td>
            <output id="EMI"></output>
        </td>
        <td>
            <output id="EMIFixed"></output>
        </td>
    </tr>
</tbody>
</table>
</td>
</tr>
</tbody>
</table>
<script src="Estimation.js"></script>
</body>
</html>

```

jscode.js

```

const _principalAmount = document.getElementById("principalAmount");
const _interestRateYear = document.getElementById("interestRate");
const _tenureMonth = document.getElementById("tenure");

function getEmiReducing(P, N, R) {
    return (P * R * (Math.pow((1 + R), N) / (Math.pow((1 + R), N) - 1)));
}

function EstimateReducingInterestLoan() {
    calculateEMI();
    totalPayment();
}

```



```

        totalInterest();
        EstimateFixedInterestLoan();
    }

function EstimateFixedInterestLoan() {
    const principalAmount = Number(_principalAmount.value);
    const interestRateYear = Number(_interestRateYear.value);
    const tenureMonth = Number(_tenureMonth.value);

    const totalInterestFixed = principalAmount * interestRateYear *
    tenureMonth / 1200;
    const totalPaymentFixed = principalAmount + totalInterestFixed;
    const emiFixed = totalPaymentFixed / tenureMonth;

    document.getElementById("tInterestFixed").innerHTML =
    Number(totalInterestFixed).toFixed(2).toString();
    document.getElementById("tPaymentFixed").innerHTML =
    Number(totalPaymentFixed).toFixed(2).toString();
    document.getElementById("EMIFixed").innerHTML =
    Number(emiFixed).toFixed(2).toString();
}

function reducingLoan() {
    const principalAmount = Number(_principalAmount.value);
    const interestRateYear = Number(_interestRateYear.value);
    const interestRateMonth = Number(interestRateYear / 1200);
    const tenureMonth = Number(_tenureMonth.value);

    const emiReducing = getEmiReducing(principalAmount, tenureMonth,
    interestRateMonth);
    const totalPaymentReducing = tenureMonth * emiReducing;
    const totalInterestReducing = totalPaymentReducing -
    principalAmount;

    return {
        emiReducing: emiReducing,
        totalPaymentReducing: totalPaymentReducing,
        totalInterestReducing: totalInterestReducing
    };
}

function calculateEMI() {
    const emiReducing = reducingLoan().emiReducing;
    document.getElementById("EMI").innerHTML =
    Number(emiReducing).toFixed(2).toString();
}

function totalPayment() {
    const totalPaymentReducing = reducingLoan().totalPaymentReducing;
    document.getElementById("tPayment").innerHTML =
    Number(totalPaymentReducing).toFixed(2).toString();
}

```

```
}  
  
function totalInterest() {  
    const totalInterestReducing = reducingLoan().totalInterestReducing;  
    document.getElementById("tInterest").innerText =  
    Number(totalInterestReducing).toFixed(2).toString();  
}
```

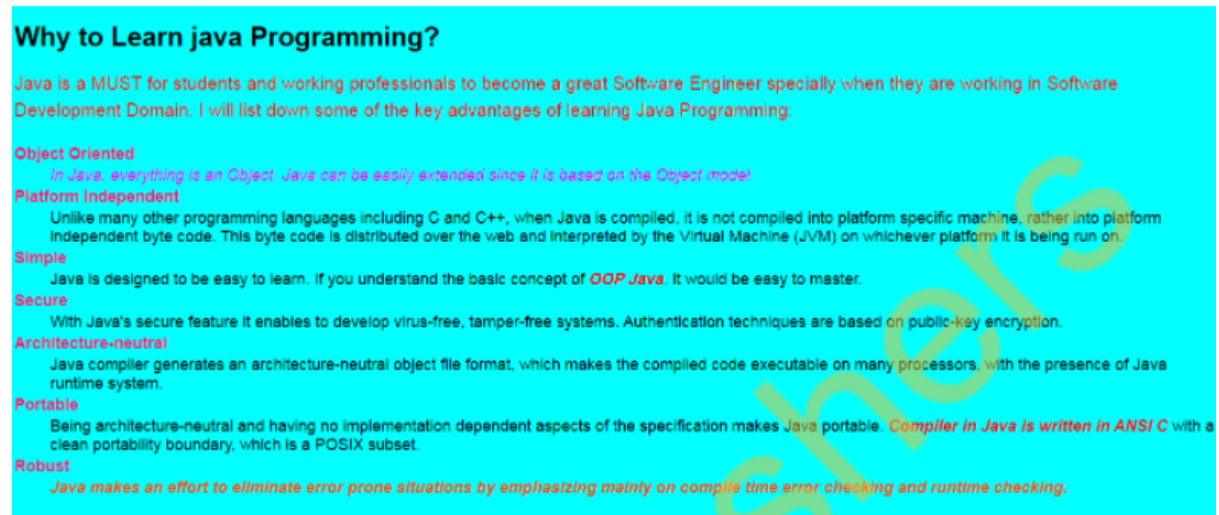
Code Bashers

## Learning Material Styling

Greenwood Training Company wants to present their Learning material Online. They also want to apply Styling to their Learning content.

Concepts covered: CSS3 Selectors - Element Type Selector, Id Selectors, Class Selectors and Grouping Selectors

The following is the screenshot of Learning Material Styling



Use the CSS Selectors with the given Properties and Values.  
Provide the details as given in the table below.

CSS Selectors	Properties And Values
body	<ul style="list-style-type: none"><li>· background color should be "#00FFFF"</li><li>· font family should be "Arial"</li><li>· font size should be "12px"</li></ul>
h1	<ul style="list-style-type: none"><li>· font size should be "2.5em"</li></ul>
dd	<ul style="list-style-type: none"><li>· font size should be "1.5em"</li></ul>
p[title]	<ul style="list-style-type: none"><li>· color should be "#FF0000"</li><li>· font size should be "1.7em"</li><li>· line height should be "1.5"</li></ul>

reasons	<ul style="list-style-type: none"> <li>· color should be "#FF0F70"</li> <li>· font should be displayed in "bold"</li> <li>· line height should be "1.5"</li> <li>· font size should be "1.5em"</li> </ul>
description01	<ul style="list-style-type: none"> <li>· font style should be "italic"</li> <li>· color should be "#F500FF"</li> </ul>
description07	<ul style="list-style-type: none"> <li>· font style should be "italic"</li> <li>· color should be "#FF4500"</li> <li>· font should be displayed in "bold"</li> </ul>
em	<ul style="list-style-type: none"> <li>· color should be "#FF0000"</li> <li>· font should be displayed in "bold"</li> </ul>

Htmlcode.html

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="LearningMaterial.css">
</head>
<body>
  <h1>Why to Learn java Programming?</h1>
  <div>
<p title="Java Programming">Java is a MUST for students and working
professionals to become a great Software Engineer specially when they
are working in Software Development Domain. I will list down some of
the key advantages of learning Java Programming:</p>
    <dl>
      <dt class="reasons">Object Oriented</dt>
<dd id="description01">In Java, everything is an Object. Java can be
easily extended since it is based on the Object model.</dd>
      <dt class="reasons">Platform Independent</dt>
<dd id="description02">Unlike many other programming languages
including C and C++, when Java is compiled, it is not compiled into
platform specific machine, rather into platform independent byte code.
This byte code is distributed over the web and interpreted by the
Virtual Machine (JVM) on whichever platform it is being run on.</dd>
      <dt class="reasons">Simple</dt>
<dd id="description03">Java is designed to be easy to learn. If you
understand the basic concept of <em>OOP Java</em>, it would be easy to
master.</dd>
      <dt class="reasons">Secure</dt>
<dd id="description04">With Java's secure feature it enables to develop
virus-free, tamper-free systems. Authentication techniques are based on
public-key encryption.</dd>
      <dt class="reasons" >Architecture-neutral</dt>
<dd id="description05">Java compiler generates an architecture-neutral
object file format, which makes the compiled code executable on many
processors,
          with the presence of Java runtime system.</dd>
      <dt class="reasons" >Portable</dt>
<dd id="description06">Being architecture-neutral and having no
implementation dependent aspects of the specification makes Java
portable. <em>Compiler in Java is written in ANSI C</em> with a clean
portability boundary,
          which is a POSIX subset.</dd>
      <dt class="reasons">Robust</dt>
<dd id="description07">Java makes an effort to eliminate error prone
situations by
          emphasizing mainly on compile time error
checking and runtime
          checking.</dd>
```

```
        </dl>
    </div>
</body>
</html>
```

Csscode.css

```
body{
    background-color: #00FFFF;
    font-family: arial;
    font-size: 12px;
}
h1{
    font-size: 2.5em;
}
dd{
    font-size: 1.5em;
}
p{
    color: #FF0000;
    font-size: 1.7em;
    line-height: 1.5;
}
.reasons{
    color: #FF0F70;
    font-weight: bold;
    line-height: 1.5;
    font-size: 1.5em;
}
#description01{
    font-style: italic;
    color: #F500FF;
}
#description07{
    font-style: italic;
    color: #FF4500;
    font-weight: bold;
}
em{
    color: #FF0000;
    font-weight: bold;
    background-color: #00FFFF;
}
```

## Mercury Drug Delivery Service - Partner Invite

Mercury - A new drug delivery service in the city is inviting pharmacies to partner with them; promising lightning fast delivery of pharmacy drugs to their customers. Design a partner-invite web page for Mercury to kick start their service. The web page must require the pharmacist to fill in details of the pharmacy.

The following are the screen-shots pertaining to Mercury Drug Delivery Service - Partner Invite

The screenshot shows a web form titled "Mercury Drug Delivery Service - Partner Invite". The form contains the following fields and components, each with a specific ID label:

- id=pin**: Pin (Primary Location)\*
- id=city**: City\*
- id=phno**: Phone number\*
- id=oname**: Pharmacy owner\*
- id=email**: Email\*
- id=link**: Website Link/ online listing link
- id=primaryArea**: Primary Area of outlet\*
- id=cost**: Minimum purchase cost\*
- id=type**: Establishment : Independant/Chain\*
- id=gsl**: Medicines available : ☐ General Sales List Medicines(GSL) ☐ Pharmacy Medicines(P) ☐ Prescription Only Medicines (POM) ☐ Controlled Drugs (CDs)
- id=p**: Retail Drug License(Jpeg/PDF)\*
- id=pom**: GSTIN/PAN\*
- id=cds**: Facade/Pharmacy-shelves Refridgerator(Jpeg)\*
- id=terms**: ☐ I agree to terms of services
- id=submit**: SUBMIT button
- id=noOfOutlets**: Number of outlets\*
- id=fssai**: FSSAI(Jpeg/PDF)\*
- id=license**: License(Jpeg/PDF)\*
- id=others**: Others(Jpeg/PDF)\*
- id=pan**: PAN Card(Jpeg/PDF)\*

After checking terms of services and on mouse over submit button :

**Use the Label Name and the Component Id as given. The Component Id can be given in any case (Upper case or Lower case or Mixed case). All the necessary attributes for the Components should be given.**

**The Component Id should be specified for each HTML Component. If the Component Id is not provided for a HTML component, marks will not be provided for this component.**

**All Tags, Elements and Attributes should conform to HTML5 Standards. All the fields except website link are mandatory.**

Provide the details as given in the table below.

Re q. #	Req. Name	Req. Description
------------	--------------	------------------

1

Design a Web page “

Mercury Drug Delivery Service - Partner Invite” with the specified fields.

Label Name	Component Id  (Specify it for the “id” attribute)	Description
	pharmacyName	To enter the name of the pharmacy.  <b>Design Constraints:</b>  The text “ <b>Pharmacy name*</b> ” should appear by default.  It should contain only alphabets, numbers and spaces.  <b>It should be mandatory.</b>
	pin	To enter the pin.  <b>Design Constraints:</b>  The text “ <b>Pin (Primary Location)*</b> ” should appear by default.  It should contain 6 digits and the first digit must not be 0.  <b>It should be mandatory.</b>



		<table> <tr> <td></td><td>city</td><td> <p>To enter the city.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>City*</b>” should appear by default.</p> <p><b>It should be mandatory.</b></p> </td></tr> <tr> <td></td><td>oname</td><td> <p>To enter the name of the pharmacy owner.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Pharmacy owner*</b>” should appear by default.</p> <p>It should contain only alphabets and spaces.</p> <p><b>It should be mandatory.</b></p> </td></tr> </table>		city	<p>To enter the city.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>City*</b>” should appear by default.</p> <p><b>It should be mandatory.</b></p>		oname	<p>To enter the name of the pharmacy owner.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Pharmacy owner*</b>” should appear by default.</p> <p>It should contain only alphabets and spaces.</p> <p><b>It should be mandatory.</b></p>
	city	<p>To enter the city.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>City*</b>” should appear by default.</p> <p><b>It should be mandatory.</b></p>						
	oname	<p>To enter the name of the pharmacy owner.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Pharmacy owner*</b>” should appear by default.</p> <p>It should contain only alphabets and spaces.</p> <p><b>It should be mandatory.</b></p>						

		<div data-bbox="820 262 890 297" data-label="Text"> <p>phno</p> </div> <div data-bbox="1027 262 1281 329" data-label="Text"> <p>To enter the phone number.</p> </div> <div data-bbox="1027 367 1310 403" data-label="Section-Header"> <p><b>Design Constraints:</b></p> </div> <div data-bbox="1027 439 1361 542" data-label="Text"> <p>The text "<b>Phone number*</b>" should appear by default.</p> </div> <div data-bbox="1027 577 1099 613" data-label="Section-Header"> <p><b>Tips:</b></p> </div> <div data-bbox="1027 647 1321 716" data-label="Text"> <p>Use <code>type="tel"</code> or Use <code>type="text"</code>.</p> </div> <div data-bbox="1027 752 1366 920" data-label="Text"> <p>Use "pattern" attribute to accept the 10 digit mobile no to start with either one of the following numbers: 7,8 or 9.</p> </div> <div data-bbox="1027 956 1361 992" data-label="Text"> <p><b>It should be mandatory.</b></p> </div>
		<div data-bbox="820 1191 890 1227" data-label="Text"> <p>email</p> </div> <div data-bbox="1027 1191 1305 1227" data-label="Text"> <p>To enter the email id.</p> </div> <div data-bbox="1027 1263 1310 1299" data-label="Section-Header"> <p><b>Design Constraints:</b></p> </div> <div data-bbox="1027 1335 1361 1402" data-label="Text"> <p>The text "<b>Email*</b>" should appear by default.</p> </div> <div data-bbox="1027 1438 1337 1473" data-label="Text"> <p><b>Tip:</b> Use <code>type="email"</code></p> </div> <div data-bbox="1027 1509 1361 1545" data-label="Text"> <p><b>It should be mandatory.</b></p> </div>

		<div></div> <div>link</div> <div> <p>To enter the website link / online listing link.</p> <p><b>Design Constraints</b></p> <p>The text “<b>Website Link/online listing link</b>” should appear by default.</p> <p>Provide the correct input type to make this component accept a link.</p> </div>
		<div></div> <div>noOfOutlets</div> <div> <p>To enter the number of outlets.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Number of outlets*</b>” should appear by default. Set the <b>min</b> no of outlets as <b>1</b>.</p> <p><b>It should be mandatory.</b></p> </div>
		<div></div> <div>primaryArea</div> <div> <p>To enter the primary area of outlet.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Primary Area of outlet*</b>” should appear by default.</p> <p><b>It should be mandatory.</b></p> </div>

		<div>cost</div> <div> <p>To enter the minimum purchase cost.</p> <p><b>Design Constraints:</b></p> <p>The text “<b>Minimum purchase cost*</b>” should appear by default. Set the <b>min</b> attribute of cost as <b>200</b>.</p> <p><b>It should be mandatory.</b></p> </div>
		<div>type</div> <div> <p>To enter the establishment type.</p> <p>An auto-complete feature should be available to the user for the following options “<b>Independant</b>”, “<b>Chain</b>”</p> <p><b>Design Constraints</b></p> <p>The text “<b>Establishment : Independant/Chain*</b>” should appear by default.</p> <p>(Use DataList to implement the auto-complete feature. Its id should be “<b>establishmentType</b>” )</p> <p><b>It should be mandatory.</b></p> </div>

		<p>Medicines available</p> <p>Use "gsl", "p", "pom", "cds" as the component ids for the check box options</p> <p>To select the medicine types.</p> <p><b>Design Constraints</b></p> <p>Use Check Box with <b>"General Sales List Medicines(GSL)"</b>, <b>"Pharmacy Medicines(P)"</b>, <b>"Prescription Only Medicines (POM)"</b> and <b>"Controlled Drugs (CDs)"</b> as options. Use <b>"items"</b> as the Component Name for check box.</p> <p><b>It should be mandatory.</b></p>
		<p>License(Jpeg/PDF)*</p> <p>license</p> <p>To upload License.</p> <p><b>Design Constraints:</b></p> <p>Provide the correct input type to make this component accept an image of type <b>.jpeg</b> or a <b>PDF</b>.</p> <p><b>It should be mandatory.</b></p>

		<div>GSTIN/PAN*</div> <div>pan</div> <div> <p>To upload GSTIN/PAN.</p> <p><b>Design Constraints:</b></p> <p>Provide the correct input type to make this component accept an image of type <b>.jpeg</b> or a <b>PDF</b>.</p> <p><b>It should be mandatory.</b></p> </div>
		<div>FSSAI(Jpeg/PDF)*</div> <div>fssai</div> <div> <p>To upload FSSAI.</p> <p><b>Design Constraints:</b></p> <p>Provide the correct input type to make this component accept an image of type <b>.jpeg</b> or a <b>PDF</b>.</p> <p><b>It should be mandatory.</b></p> </div>
		<div>Facade/Pharmacy-shelves/Refridgerator(Jpeg)*</div> <div>others</div> <div> <p>To upload mutiple images.</p> <p><b>Design Constraints:</b></p> <p>Provide the correct input type to make this component accept multiple image files of type <b>.jpeg</b>.</p> <p><b>It should be mandatory.</b></p> </div>

		<table> <tr> <td></td><td>terms</td><td> <p>To check : <b>"I agree to terms of services"</b> - a hyperlink.</p> <p><b>Design Constraints</b></p> <p>Use Check Box. Specify href for anchor tag holding hyperlink as <b>"#submit"</b>. Its <b>id</b> must be <b>terms_ref</b>.</p> <p>However, it need not be linked to anything.</p> </td></tr> <tr> <td></td><td>submit</td><td> <p>The input type <b>button</b> must be used, with value <b>"SUBMIT"</b>.</p> <p>It is clickable but has no action associated with it.</p> </td></tr> </table>		terms	<p>To check : <b>"I agree to terms of services"</b> - a hyperlink.</p> <p><b>Design Constraints</b></p> <p>Use Check Box. Specify href for anchor tag holding hyperlink as <b>"#submit"</b>. Its <b>id</b> must be <b>terms_ref</b>.</p> <p>However, it need not be linked to anything.</p>		submit	<p>The input type <b>button</b> must be used, with value <b>"SUBMIT"</b>.</p> <p>It is clickable but has no action associated with it.</p>
	terms	<p>To check : <b>"I agree to terms of services"</b> - a hyperlink.</p> <p><b>Design Constraints</b></p> <p>Use Check Box. Specify href for anchor tag holding hyperlink as <b>"#submit"</b>. Its <b>id</b> must be <b>terms_ref</b>.</p> <p>However, it need not be linked to anything.</p>						
	submit	<p>The input type <b>button</b> must be used, with value <b>"SUBMIT"</b>.</p> <p>It is clickable but has no action associated with it.</p>						
<p>NOTE: The text highlighted in bold in the Description needs to be implemented in the code to complete the web page design.</p>								

2

Apply the mentioned styles using CSS to the components

## STYLING WITH ELEMENT SELECTORS

1. The given image must be set as the **background-image** of **BODY** and **font-weight** of the content of the body must be **bold**.

2. **HEADING** should be specified using **<h3>** tag.

Its **color** must be **#FFFFFF** and the **background-color** must be **#800000**.

The margins: **margin-left** and **margin-right** must be **auto**.

The **text-align** must be **center** and **width 60%**.

The **font-family** of the text must be **Verdana**.

The **padding** and **border-radius** must be **3px** and **6px** respectively.

3. **TABLE** must be styled with **width 60%** and **border-style - 3px solid**.

The margins: **margin-left** and **margin-right** must be **auto**.

The **border-spacing** and **border-radius** must be **5px** and **6px** respectively.

4. The **font-size** of **TABLE DATA - td** must be **15px**.

## STYLING WITH ID SELECTORS

1. **SUBMIT** button's text must be colored with **#800000**.

Its **font-weight** must be **bold** and its **background - transparent**.

The **border-radius** must be **6px**.

2. On hovering over submit, its **background color** must turn **#800000** and the **color** of the text must turn **#FFFFFF**

## STYLING WITH CLASS SELECTORS

1. Set **'a'** as **class** for all the components without label and colspan. Specify its **width** as **50%**;

2. Set **'b'** as **class** for the **p** tags 'within which' appear the checkbox with id terms and the submit button.

Specify its **width** as **60%**.

The margins: **margin-left** and **margin-right** must be **auto**.

## STYLING WITH ATTRIBUTE SELECTORS

1. Set a **transparent background** and a **width** of **100%** for the input types :

**text, number, email, tel, url and file**.

2. Set a **transparent background** for the input type **checkbox** and **button**.

3. Change the **color** of the text within anchor tag to **#00800A** on checking. **How** - Pick the input type checkbox with id terms checked + the anchor tag and set it to **#00800A**.



4. Use pseudo element selector to **color placeholder** in **#DCDCDC**.  
[ Use the syntax specific to Chrome/Opera/Safari \*]

Note: Fill in the style tag so as to have the given styles applied to the components.

(Do not use Inline CSS)

Code Bashers

Code Bashers

Htmlcode.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset='utf-8'>
  <meta http-equiv="X-UA-Compatible" content="IE-edge">
  <title>Mercury Drug Delivery Service</title>
</head>
<style>
  input[type="file"] {
    background: transparent;
    width: 100%;
  }

  input[type="text"] {
    background: transparent;
    width: 100%;
  }

  input[type="number"] {
    background: transparent;
    width: 100%;
  }

  input[type="email"] {
    background: transparent;
    width: 100%;
  }

  input[type="tel"] {
    background: transparent;
    width: 100%;
  }

  input[type="url"] {
    background: transparent;
    width: 100%;
  }

  input[type="checkbox"] {
    background: transparent;
  }

  input[type="button"] {
    background: transparent;
  }
```

```
input[type="checkbox"] /* Fill here */ :checked + a {
    /* Fill the attribute and value */
}

body{
    font-weight: bold;
    margin-left: auto;
    margin-right: auto;
}

h3{
    color: #FFFFFFF;
    background-color: #800000;
    margin-left: auto;
    margin-right: auto;
    text-align: center;
    width: 60%;
    font-family: Verdana;
    padding: 3px;
    border-radius: 6px;
}

table{
    width: 60%;
    border-style: 3px solid;
    margin-left: auto;
    margin-right: auto;
    border-spacing: 5px;
    border-radius: 6px;
}

td{
    font-size: 15px;
}

#submit{
    color: #800000;
    font-weight: bold;
    background: transparent;
    border-radius: 6px;
}

#submit:hover {
    background-color: #800000 ;
    color: #FFFFFFF;
}

.a{
    width: 50%;
}
```

```

.b{
    width: 60%;
}

::-webkit-input-placeholder {
    color: #dcdcdc;
}
</style>
<body>

<h3> Mercury Drug Delivery Service-Partner Invite </h3>
<table style="text-align: left;">

    <tr>
        <td colspan="2"><input type="text" required
id="pharmacyName" placeholder="Pharmacy name*"></td>
    </tr>
    <tr>
        <td class="a"><input type="number" id="pin"
placeholder="Pin(PrimaryLocation)*" required></td>
        <td><input type="text" id="city" placeholder="City*"></td>
    </tr>
    <tr>
        <td class="a"><input type="text" id="oname"
placeholder="Pharmacy owner*" required></td>
        <td><input type="tel" id="phno" placeholder="Phone number*"
pattern="[7-9]{1}[0-9]{9}" required></td>
    </tr>
    <tr>
        <td colspan="2"><input type="email" id="email"
placeholder="Email*"></td>
    </tr>
    <tr>
        <td colspan="2"><input type="url" id="link"
placeholder="Website Link/ online listing link"></td>
    </tr>
    <tr>
        <td><input type="text" id="noOfOutlets" min="1"
placeholder="Number of outlets*" required></td>
        <td class="a"><input type="text" id="primaryArea"
placeholder="Primary Area of outlet*" required></td>
    </tr>
    <tr>
        <td><input type="text" min="200" id="cost"
placeholder="Minimum purchase cost*" required></td>
        <td class="a"><input list="establishmentType" id="type"
placeholder="Establishment : Independant/Chain*"
required>
            <datalist id="establishmentType">
                <option value="Independant"></option>
                <option value="Chain"></option>
            </datalist>
        </td>
    </tr>

```

```

        </datalist>
    </td>
</tr>
<tr>
    <td colspan="2">Medicines available :
        <input type="checkbox" id="gsl" name="items">General
Sales List Medicines (GSL)
        <input type="checkbox" id="p" name="items">Pharmacy
Medicines (P) <br>
        <input type="checkbox" id="pom"
name="items">Prescription Only Medicines (POM)
        <input type="checkbox" id="cds" name="items">Controlled
Drugs (CDs)
    </td>
</tr>
<tr>
    <td>Retail Drug License (Jpeg/PDF) *<br>
        <input type="file" id="license"></td>
    <td>GSTIN/PAN*<br>
        <input type="file" id="pan"></td>
</tr>
<tr>
    <td>FSSAI (Jpeg/PDF) *<br>
        <input type="file" id="fssai"></td>
    <td>Facade/Pharmacy-shelves/Refridgerator (Jpeg) * <br>
        <input type="file" id="others" multiple></td>
</tr>
</table>

<p class="b"><input type="checkbox"><a href="#submit"
id="terms_ref" style="color: blue;"><b>I agree to terms of
services</b></a></p>
<p class="b"><input type="button" id="submit" value="submit"></p>
</body>
</html>

```

## Outlook Inverter Palace

Sanjay runs an inverter shop in his city. His customers call him for bulk orders as he gives them lots of special offers. Presently, Sanjay is providing his customers a special offer on the 1100 v inverters based on the brand. He wants an application to help his customers to place orders with ease. As an initiative to this application, develop a web page to get the customer details and the product details.

Brand Name	Price
Luminous	4740
Microtek	4500
Exide	5050
Livguard	5600
V-Guard	5400

Price details are listed below.

Plain Web page :

**Outlook Inverter Palace**

Name\*  *id=name*

Contact No\*  *id=contactNo*

E-mail address  *id=email*

Brand Name

Luminous ☐ *id=luminous*

Microtek ☐ *id=microtek*

Exide ☐ *id=exide*

Livguard ☐ *id=livguard*

V-Guard ☐ *id=vguard*

Date of Booking\*  *id=date*

Address  *id=address*

*id=submit*  *id=reset*

On submitting all relevant information, bill details must get displayed on the same page as shown :

### Outlook Inverter Palace

Name*	<input type="text" value="Romaro Samson"/>
Contact No*	<input type="text" value="7899655566"/>
E-mail address	<input type="text" value="romaro@gmail.com"/>
Brand Name	Luminous <input type="text" value="3"/>
	Microtek <input type="text" value="2"/>
	Exide <input type="text" value="1"/>
	Livguard <input type="text" value="0"/>
	V-Guard <input type="text" value="2"/>
Date of Booking*	<input type="text" value="10/20/2020"/>
Address	<div>E-3, City Apartment, Ram Nagar, Coimbatore-625019.</div>

Hi, You have to pay Rs.33209.50. Thanks for selecting us!!!

id=result

Use the Label Name and the Component Id as given. The Component Id can be given in any case. All the necessary attributes for the Components should be given. If the Component Id is not provided for an HTML component, marks will not be provided for that component. All Tags, Elements and Attributes should conform to HTML5 Standards.

Provide the details as given in the table below.

Req. #	Req. Name	Req. Description
--------	-----------	------------------



1

Design an HTML page for “Outlook Inverter Palace” application

Label Name	Component Id (Specify it for the “id” attribute)	Description
Name*	name	<p>To enter the name of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"><li>• The text “<i>Enter the name</i>” should appear by default.</li><li>• It should be mandatory.</li></ul> <p><b>Tips</b></p> <p>Use type=“text” with pattern attribute to accept the alphabets and space only.</p>

		<table> <tr> <td data-bbox="518 210 668 1128">Contact No*</td><td data-bbox="668 210 895 1128">contactNo</td><td data-bbox="895 210 1382 1128"> <p>To enter the contact number of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Enter the contact no</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <ul style="list-style-type: none"> <li>Use type=“tel”</li> <li>(or)</li> <li>Use type=“text” (or) type=“number” with pattern attribute to accept the 10 digit mobile number that starts with either one of the following numbers: 7,8 or 9</li> </ul> </td></tr> <tr> <td data-bbox="518 1128 668 1807">E-mail address</td><td data-bbox="668 1128 895 1807">Email</td><td data-bbox="895 1128 1382 1807"> <p>To enter the email Id of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Example:abc@gmail.com</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <p>Use type=“email”</p> </td></tr> </table>	Contact No*	contactNo	<p>To enter the contact number of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Enter the contact no</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <ul style="list-style-type: none"> <li>Use type=“tel”</li> <li>(or)</li> <li>Use type=“text” (or) type=“number” with pattern attribute to accept the 10 digit mobile number that starts with either one of the following numbers: 7,8 or 9</li> </ul>	E-mail address	Email	<p>To enter the email Id of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Example:abc@gmail.com</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <p>Use type=“email”</p>
Contact No*	contactNo	<p>To enter the contact number of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Enter the contact no</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <ul style="list-style-type: none"> <li>Use type=“tel”</li> <li>(or)</li> <li>Use type=“text” (or) type=“number” with pattern attribute to accept the 10 digit mobile number that starts with either one of the following numbers: 7,8 or 9</li> </ul>						
E-mail address	Email	<p>To enter the email Id of the customer.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>The text “<i>Example:abc@gmail.com</i>” should appear by default.</li> <li><b>It should be mandatory.</b></li> </ul> <p><b>Tips</b></p> <p>Use type=“email”</p>						

Brand Name	luminous	<p>To enter the quantity of Luminous inverter</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type=“number”</li> <li>• Minimum quantity should be zero</li> <li>• It should be mandatory</li> </ul>
	microtek	<p>To enter the quantity of Microtek inverter</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type=“number”</li> <li>• Minimum quantity should be zero</li> <li>• It should be mandatory</li> </ul>
	exide	<p>To enter the quantity of Exide inverter</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type=“number”</li> <li>• Minimum quantity should be zero</li> <li>• It should be mandatory</li> </ul>

		livguard	<p>To enter the quantity of Livguard inverter</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type="number"</li> <li>• Minimum quantity should be zero</li> <li>• It should be mandatory</li> </ul>
		vguard	<p>To enter the quantity of V-Guard inverter</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type="number"</li> <li>• Minimum quantity should be zero</li> <li>• It should be mandatory</li> </ul>
		Date of Booking*	<p>To enter the date of booking.</p> <p><b>Design Constraints:</b></p> <ul style="list-style-type: none"> <li>• Use type="date"</li> <li>• It should be mandatory.</li> </ul>

		<table> <tr> <td data-bbox="517 210 668 882">Address</td><td data-bbox="668 210 895 882">address</td><td data-bbox="895 210 1382 882"> <p>To enter the address of the customer.</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• Use textarea</li> <li>• The text “<i>Enter your address</i>” should appear by default.</li> <li>• Provide the correct tag and attribute to create a text area with 5 rows and 25 columns.</li> <li>• It should be mandatory.</li> </ul> </td></tr> <tr> <td data-bbox="517 882 668 1341"></td><td data-bbox="668 882 895 1341">submit</td><td data-bbox="895 882 1382 1341"> <p>Submit Button to submit the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “submit” and value should be “Submit”</li> </ul> </td></tr> <tr> <td data-bbox="517 1341 668 1805"></td><td data-bbox="668 1341 895 1805">reset</td><td data-bbox="895 1341 1382 1805"> <p>Clear Button to clear the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “reset” and the value should be “Clear”</li> </ul> <p>On clicking this button, all fields should be reset.</p> </td></tr> </table>	Address	address	<p>To enter the address of the customer.</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• Use textarea</li> <li>• The text “<i>Enter your address</i>” should appear by default.</li> <li>• Provide the correct tag and attribute to create a text area with 5 rows and 25 columns.</li> <li>• It should be mandatory.</li> </ul>		submit	<p>Submit Button to submit the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “submit” and value should be “Submit”</li> </ul>		reset	<p>Clear Button to clear the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “reset” and the value should be “Clear”</li> </ul> <p>On clicking this button, all fields should be reset.</p>
Address	address	<p>To enter the address of the customer.</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• Use textarea</li> <li>• The text “<i>Enter your address</i>” should appear by default.</li> <li>• Provide the correct tag and attribute to create a text area with 5 rows and 25 columns.</li> <li>• It should be mandatory.</li> </ul>									
	submit	<p>Submit Button to submit the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “submit” and value should be “Submit”</li> </ul>									
	reset	<p>Clear Button to clear the form</p> <p><b>Design Constraints</b></p> <ul style="list-style-type: none"> <li>• The input type should be “reset” and the value should be “Clear”</li> </ul> <p>On clicking this button, all fields should be reset.</p>									
		<p><b>Note:</b> The text highlighted in bold in the Description needs to be implemented in the code to complete the web page design.</p>									

2	Apply the mentioned styles using CSS to the components	<ol style="list-style-type: none"> <li>1. <b>Body</b> color should be “<b>#9ACD32</b>”.</li> <li>2. The heading “<b>Outlook Inverter Palace</b>” should be specified using <code>&lt;h1&gt;</code> tag, the text color should be “<b>#FFFFFF</b>”, font should be “<b>Arial</b>”, border style should be “<b>1px solid</b>”, border radius should be “<b>6px</b>”, width should be “<b>50%</b>”, margin left and right should be “<b>auto</b>”, background color should be “<b>#FF8C00</b>” and it should be aligned to the <b>center</b> of the webpage.</li> <li>3. The <b>result</b> should be <b>bold</b>, font should be “<b>Calibri</b>”, font size should be “<b>24px</b>”, margin left should be “<b>15em</b>”, margin right should be “<b>auto</b>” and color of the text should be “<b>#800000</b>”.</li> <li>4. The <b>Submit</b> button and <b>Reset</b> button font should be displayed in “<b>bold</b>”, font should be “<b>Times New Roman</b>”, border radius should be “<b>6px</b>”, background should be “<b>transparent</b>”, margin-right should be “<b>auto</b>”, width should be “<b>13em</b>” and height should be “<b>35px</b>”. Left margin of the Submit button should be “<b>28em</b>” and for the Reset button, it should be “<b>18em</b>”.</li> <li>5. The <b>Table</b> width should be “<b>50%</b>”, margin left and right should be “<b>auto</b>”, border style should be “<b>3px groove</b>”, border spacing and radius should be of “<b>5px</b>” and “<b>6px</b>” respectively.</li> <li>6. <b>td</b> of billing table should have “<b>2px</b>” border width, “<b>solid</b>” border style, “<b>#EC7063</b>” border color and “<b>5px</b>” padding.</li> <li>7. <b>Class b</b> should have width of “<b>50%</b>”, margin-left should be “<b>auto</b>” and margin-right should be “<b>14em</b>”.</li> </ol> <p>Note: Fill in the style tag so that the given styles are applied to the components. (Do not use Inline CSS)</p>
---	--	---

3	Use JavaScript for displaying the billing details.	<p>Use JavaScript for displaying the appointment details:</p> <p>When the valid values are entered and the “Submit” button is clicked, the bill amount should be displayed as follows:</p> <p>If the total amount is greater than 5500 then provide 15% discount on it. Result should be displayed as  “Hi, You have to pay Rs.<i>amount</i>. Thanks for selecting us!!!”  in a div tag with id as “result”</p> <p><b>Formula for Bill amount calculation,</b>  Amount = (No of luminous inverter*4740)+(No of microtek inverter*4500)+(No of exide inverter*5050)+(No of livguard inverter*5600)+(No of vguard inverter*5400)</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>Ø Use the getElementById() function to retrieve the values.</li> <li>Ø In Javascript, Please do not use “let”. Instead, use “var”.</li> </ul>
4	form Tag with attribute onsubmit	<p><b>form</b> Tag is already given in the code template. Do not change the code template and do the coding as per the requirements and specification.</p> <p><b>Make</b> sure that the onsubmit attribute in the form tag invokes the JavaScript function like "<b>return billCalculation()</b>".</p> <p>Also ensure that “return false;” statement is the last line of the JavaScript function “<b>billCalculation()</b>”.</p>

Htmlcode.html

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

    <title>Outlook Inverter Palace</title>
    <script>

        function billCalculation() {
            /* Fill the Javascript code to calculate the bill amount
            */

            var Luminous = document.getElementById("luminous").value;
            var Microtek = document.getElementById("microtek").value;
            var Exide = document.getElementById("exide").value;
            var Livguard = document.getElementById("livguard").value;
            var Vguard = document.getElementById("vguard").value;
            var amount =
(Luminous*4740)+(Microtek*4500)+(Exide*5050)+(Livguard*5600)+(Vguard*54
00);

            if(amount>5500)
            {
                var discount = (amount*15)/100;
                amount=amount-discount;
            }
            amount=parseFloat(amount);
            document.getElementById("result").innerHTML = "Hi, You have
to pay Rs."+amount.toFixed(2)+" . Thanks for selecting us!!!";
            return false;
        }
    </script>

<style>
::placeholder {
    color:#5D6D7E;
    opacity: 2;
}

input[type="email"], input[type="tel"], input[type="number"],
input[type="text"],input[type="date"], textarea, select {
    width: 85%;
    color: #342E53;
    font-weight: bold;
    background: transparent;
    border-radius: 6px;
    border-style: solid;
    border-width: 2px;
}

input[type="submit"] {
    background-color: #08088A;
```



```
}
label span {
    color: #2E4053;
}
body {
    background-color: #9ACD32;
}
h1 {
    color: #FFFFFF;
    font-family: Arial;
    border-style: 1px solid;
    border-radius: 6px;
    width: 50%;
    margin-right: auto;
    margin-left: auto;
    background-color: #FF8C00;
    text-align: center;
}
#result {
    font-family: Calibri;
    font-weight: bold;
    font-size: 24px;
    margin-right: auto;
    margin-left: 15em;
    color: #800000;
}

#submit {
    font-weight: bold;
    font-family: Times New Roman;
    border-radius: 6px;
    background: transparent;
    margin-right: auto;
    width: 13em;
    height: 35px;
    margin-left: 28em;
}
#reset {
    font-weight: bold;
    font-family: Times New Roman;
    border-radius: 6px;
    background: transparent;
    margin-right: auto;
    width: 13em;
    height: 35px;
    margin-left: 18em;
}
table {
    width: 50%;
    margin-right: auto;
    margin-left: auto;
```

```

        border-style: 3px groove;
        border-spacing: 5px;
        border-radius: 6px;
    }
    #billing td {
        border-width: 2px;
        border-style: solid;
        border-color: #EC7063;
        padding: 5px;
    }
    .b {
        width: 50%;
        margin-left: auto;
        margin-right: 14em;
    }
    #brandName td {
        margin-left: auto;
        margin-right: auto;
        width: 50%;
        border-width: 2px;
        border-style: solid;
        border-spacing: 5px;
        border-radius: 6px;
    }
    #submit:hover, #reset:hover {
        background-color: #2E8B57;
        color: #FFFFFF;
    }

</style>
</head>
<body>

<h1>Outlook Inverter Palace</h1>

<form onsubmit="return billCalculation()">
    <table id="billing">
        <tr>
            <th id="details" colspan="2"></th>
        </tr>
        <tr>
            <td><label><span><b>Name*</b></span></label></td>
            <td><input type="text" name="name" id="name"
placeholder="Enter the name" pattern="[a-zA-z]+" required/></td>
        </tr>
        <tr>
            <td><label><span><b>Contact
No*</b></span></label></td>

```

```

        <td><input type="text" name="contactNo"
id="contactNo" placeholder="Enter the contact no"
pattern="[7-9]{1}[0-9]{9}" required/></td>
    </tr>
    <tr>
        <td><label><span><b>E-mail
address</b></span></label></td>
        <td><input type="email" name="Email" id="Email"
placeholder="Example:abc@gmail.com" required/></td>
    </tr>
    <tr>
        <td>
            <!-- Fill the label for Brand Name -->
            <label><span><b>Brand
Name</b></span></label>
        </td>
        <td>
            <table id="brandName">
                <tr>
                    <td><label><span><b>Luminous</b></span></label></td>
                    <td><input type="number"
name="luminous" id="luminous" min="0" required/></td>
                </tr>
                <tr>
                    <td><label><span><b>Microtek</b></span></label></td>
                    <td><input type="number"
name="microtek" id="microtek" min="0" required/></td>
                </tr>
                <tr>
                    <td><label><span><b>Exide</b></span></label></td>
                    <td><input type="number" name="exide"
id="exide" min="0" required/></td>
                </tr>
                <tr>
                    <td><label><span><b>Livguard</b></span></label></td>
                    <td><input type="number"
name="livguard" id="livguard" min="0" required/></td>
                </tr>
                <tr>
                    <td><label><span><b>V-Guard</b></span></label></td>
                    <td><input type="number"
name="vguard" id="vguard" min="0" required/></td>
                </tr>
            </table>
        </td>
    </tr>

```

```

        <tr>
            <td><label><span><b>Date of
Booking*</b></span></label></td>
            <td><input required type="date" name="Date"
id="Date" /></td>
        </tr>
    <tr>

<td><label><span><b>Address</b></span></label></td>
            <td><textarea id="address" required rows="5"
cols="25" placeholder="Enter your address"></textarea></td>
        </tr>
    </table>
    <table>
        <tr>
            <td><input type="submit" id="submit"
value="Submit"/></td>
            <td><input type="reset" id="reset" value="Clear"
/></td>
        </tr>
    </table>
    <p class="b"><div class="b" id="result"></div>
</form>
</body>
</html>

```

## Rate Card For Boat Riding

A Boat House wants their Boat Riding Rate Card Online for the public. They also want to apply Styling to the Boat Riding Rate Card.

The following is the screenshot of the Rate Card for Boat Riding

Rate Card For Boat Riding		
Boat Type	Charges Per Trip (in Rs.)	Per Trip Duration
2 Seater Pedal Boat	240	30 Minutes
4 Seater Pedal Boat	260	30 Minutes
4 Seater Row Boat	250	30 Minutes
8 Seater Motor Boat	560	30 Minutes
15 Seater Motor Boat	990	30 Minutes

### Indian destination for a houseboat experience

A holiday in a houseboat is one of the best ways to enjoy life on the slow lane. They offer an opportunity to enjoy the changing and unfamiliar surroundings from the comforts you expect in a land-based hotel or resort. Moreover, travelling in

a houseboat through India's lakes and backwaters across diverse geographical zones can be a unique experience.

The first Indian destination for a houseboat experience that comes to the mind is Srinagar in Jammu and Kashmir. Dal Lake, in the heart of the city, is one of the top draws and hence a large number of houseboats can be seen moored here. Those who want to stay in slightly less crowded surroundings opt for the houseboats on the Nigeen Lake. The houseboats offer a range of amenities depending on its category, from

budget to luxury. Most houseboats come with a 'dunga' in tow. The houseboats for guests offer accommodation, dining hall, etc. But cooking and other guest-related serviced are undertaken in the more functional dunga. The 'shikara' boats are the lifeline of this water-world. They not only ferry local passengers but also serve as water taxis for those living in the houseboats. You may also hire one of the luxury shikaras for a round of the lake. Many houseboats have their own shikaras.

Use the CSS Selectors with the given Properties and Values.

Provide the details as given in the table below.

CSS Selectors	Properties And Values
ratecard	display should be "block" border width should be "5px" border style should be "solid" border color should be "#00FF00" outline style should be "inset" outline color should be "#FF0000" background color should be "#00FFFF" padding should be "2px" margin top should be "2%" margin left should be "30%" width should be "485px" height should be "250px" text align should be "justify"
td	padding should be "7px" border bottom style should be "double" border color should be "#808080"
caption	background color should be "red" font size should be "x-large"

CSS Selectors	Properties And Values
th	background color should be "silver" padding should be "7px" border bottom style should be "double" border color should be "#808080" text should be aligned to the "center" of the page
col2	text should be aligned to the "center" of the page
container	column count should be "3" column width should be "100px" column gap should be "10px" margin should be "5%"

Code Bashers

Htmlcode.html

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

<head>
  <title>Rate Card For Boat Riding</title>
  <style type="text/css">
    #ratecard {
      display: block;
      border-width: 5px;
      border-style: solid;
      border-color: #00FF00;
      outline-style: inset;
      outline-color: #FF0000;
      background-color: #00FFFF;
      padding: 2px;
      margin-top: 2%;
      margin-left: 30%;
      width: 485px;
      height: 250px;
      text-align: justify;
    }

    td {
      padding: 7px;
      border-bottom-style: double;
      border-color: #808080;
    }

    caption {
      background-color: red;
      font-size: x-large;
    }

    th {
      background-color: silver;
      padding: 7px;
      border-bottom-style: double;
      border-color: #808080;
      text-align: center;
    }

    .col2 {
      text-align: center;
    }

    .container {
      column-count: 3;
      column-width: 100px;
      column-gap: 10px;
    }
  </style>
</head>

<body>
  <table>
    <caption>Rate Card</caption>
    <thead>
      <tr>
        <th>Boat</th>
        <th>Rate</th>
        <th>Notes</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
      </tr>
      <tr>
        <td>4</td>
        <td>5</td>
        <td>6</td>
      </tr>
      <tr>
        <td>7</td>
        <td>8</td>
        <td>9</td>
      </tr>
      <tr>
        <td>10</td>
        <td>11</td>
        <td>12</td>
      </tr>
      <tr>
        <td>13</td>
        <td>14</td>
        <td>15</td>
      </tr>
      <tr>
        <td>16</td>
        <td>17</td>
        <td>18</td>
      </tr>
      <tr>
        <td>19</td>
        <td>20</td>
        <td>21</td>
      </tr>
      <tr>
        <td>22</td>
        <td>23</td>
        <td>24</td>
      </tr>
      <tr>
        <td>25</td>
        <td>26</td>
        <td>27</td>
      </tr>
      <tr>
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      </tr>
      <tr>
        <td>100</td>
        <td>101</td>
        <td>102</td>
      </tr>
    </tbody>
  </table>
</body>
</html>
```

```

        margin: 5%;
    }
</style>
</head>

<body>
    <div id="ratecard">
        <table id="package">
            <caption>Rate Card For Boat Riding</caption>
            <tr>
                <th>Boat Type</th>
                <th>Charges Per Trip (in Rs.)</th>
                <th>Per Trip Duration</th>
            </tr>
            <tr>
                <td>2 Seater Pedal Boat</td>
                <td class="col2">240</td>
                <td>30 Minutes</td>
            </tr>
            <tr>
                <td>4 Seater Pedal Boat</td>
                <td class="col2">260</td>
                <td>30 Minutes</td>
            </tr>
            <tr>
                <td>4 Seater Row Boat</td>
                <td class="col2">250</td>
                <td>30 Minutes</td>
            </tr>
            <tr>
                <td>8 Seater Motor Boat</td>
                <td class="col2">560</td>
                <td>30 Minutes</td>
            </tr>
            <tr>
                <td>15 Seater Motor Boat</td>
                <td class="col2">990</td>
                <td>30 Minutes</td>
            </tr>
        </table>
    </div>
    <div class="container">
        <h1>Indian destination for a houseboat experience</h1>
        <p>
            A holiday in a houseboat is one of the best ways to enjoy
            life on the slow lane. They offer an opportunity
            to
            enjoy the changing and unfamiliar surroundings from the
            comforts you expect in a land-based hotel or resort.
            Moreover, travelling in a houseboat through India's lakes
            and backwaters across diverse geographical zones

```



```
        can
        be a unique experience.
    </p>
    <p>
        The first Indian destination for a houseboat experience
        that comes to the mind is Srinagar in Jammu and
        Kashmir.
        Dal Lake, in the heart of the city, is one of the top draws
        and hence a large number of houseboats can be
        seen
        moored here. Those who want to stay in slightly less
        crowded surroundings opt for the houseboats on the
        Nigeen
        Lake. The houseboats offer a range of amenities depending
        on its category, from budget to luxury. Most
        houseboats come with a 'dunga' in tow. The houseboats for
        guests offer accommodation, dining hall, etc. But
        cooking and other guest-related serviced are undertaken in
        the more functional dunga. The 'shikara' boats
        are
        the lifeline of this water-world. They not only ferry local
        passengers but also serve as water taxis for
        those
        living in the houseboats. You may also hire one of the
        luxury shikaras for a round of the lake. Many
        houseboats
        have their own shikaras.
    </p>
</div>
</body>

</html>
```

# Simple CALCULATOR

Create the following Web page with the heading 'Calculator' and provided images.

![demo](demo.jpeg)

The web page should contain following input elements and apply the specified Constraints:

Label Name	Element Name	Constraints
Input1	input1	This element is to get the first input. Type should be 'number'
Input2	input2	This element is to get the second input. Type should be 'number'
Select Operation	operation	A drop down list contains the following values: **Select.. , ADD, SUBTRACT, MULTIPLY and DIVIDE.** *Set these values as its option tag text and option tag's 'value' attributes*
submit		An image tag with the source as calc.jpg should be displayed
reset		An image tag with the source as reset.jpg should be displayed

Consider the images are in the current folder and

- Use "calculator.jpg" as a header image.

> Apply following styles to the attributes: \*Do not use CSS.\*

1. The heading should be done using the font color as 'blue' and with font size as '20'. (Use `` tag)
2. The height and width of the images with the name "submit" and "reset" should be '80'.
3. The height and width of the calculator image should be '300' and '400'.

# Calculator



Input1

Input2

Select Operation

Select.. ▾



Htmlcode.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>CALCULATOR</title>
</head>
<body>
  <font color="blue" size="20">Calculator</font>
  
  <label for="input1">Input1</label>
  <input type="number" name="input1" id="input1">
  <label for="input2">Input2</label>
  <input type="number" name="input2" id="input2">
  <label for="operation">Select Operation</label>
```

```
<select name="operation" id="operation">
  <option value="Select..">Select..</option>
  <option value="ADD">ADD</option>
  <option value="SUBTRACT">SUBTRACT</option>
  <option value="MULTIPLY">MULTIPLY</option>
  <option value="DIVIDE">DIVIDE</option>
</select>


</body>
</html>
```

Code Bashers

## Trainer Feedback Rating Chart

Learning Partner Training Company wants to send Trainer's Feedback every month to the trainers. They also want to apply Styling to the Trainer Feedback Rating Chart.

Concept covered: CSS3 Styling - CSS Color, CSS Background, CSS Fonts and CSS Text

The following is the screenshot of the Trainer Feedback Rating Chart

### *Trainer's Feedback Rating Chart*

**Trainer's Name: Elite Parker**

S.No.	Training Module Name	Overall Rating	Feedback
1	HTML5, CSS3, JavaScript	5	Excellent
2	Basic Java Programming	4	Very Good
3	Advanced Java Programming	3	Good
4	UNIX Shell Scripting	2	Average
5	Python Programming	1	Below Average

Use the CSS Selectors with the given Properties and Values.

Provide the details as given in the table below.

CSS Selectors	Properties And Values
h1	<ul style="list-style-type: none"><li>· text should be aligned to the "center" of the page</li><li>· color should be "#FF00FF"</li><li>· font style should be "italic"</li></ul>
table	<ul style="list-style-type: none"><li>· text should be aligned to the "left" of the page</li><li>· margin left should be "35%"</li><li>· background color should be "#F0F0F0"</li></ul>
td	<ul style="list-style-type: none"><li>· text should be aligned to the "center" of the page</li></ul>

caption	<ul style="list-style-type: none"><li>· text should be aligned to the “left” of the page</li><li>· font should be displayed in “bold”</li></ul>
---------	---

Set background color of component with class tr1 as : #ff0080

Set background color of component with class theader as : #800000

Set background color of component with id ex1 and vg1 as : #00ff00

Set background color of component with id go1 as : #ffff00

Set background color of component with id av1 as : #d3d3d3

Set color of component with id av1 as : #ffffff

Set background color of component with id bal as : #ff0000

Set color of component with id bal as : #ffffff

Code Bashers

Htmlcode.html

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Trainer's Feedback Rating Chart</title>
    <link rel="stylesheet" href="trainerfeedbackchart.css">
  </head>
  <body>

    <div class="foot">
      <form>

        <h1>Trainer's Feedback Rating Chart</h1>

        <table id="chart">
          <caption>Trainer's Name: Elite Parker</caption>

          <tr class="thead" >
            <th>S.No.</th>
            <th>Training Module Name</th>
            <th>Overall Rating</th>
            <th>Feedback</th>
          </tr>
          <tr class="tr1" >
            <td>1</td>
            <td>HTML5, CSS3, JavaScript</td>
            <td>5</td>
            <td id="ex1" >Excellent</td>
          </tr>
          <tr class="tr2">
            <td>2</td>
            <td>Basic Java Programming</td>
            <td>4</td>
            <td id="vg1">Very Good</td>
          </tr>
          <tr class="tr1">
            <td>3</td>
            <td>Advanced Java Programming</td>
            <td>3</td>
            <td id="gol">Good</td>
          </tr>
          <tr class="tr2">
            <td>4</td>
            <td>UNIX Shell Scripting</td>
            <td>2</td>
            <td id="av1">Average</td>
          </tr>
          <tr class="tr1">
            <td>5</td>
```

```

        <td>Python Programming</td>
        <td>1</td>
        <td id="ba1" >Below Average</td>
    </tr>
</table>

</form>
</div>
</body>
</html>

```

Csscode.css

```

h1{
    /* Write code for css values here */
    text-align: center;
    color: #FF00FF;
    font-style: italic;
}

table{
    /* Write code for css values here */
    text-align: left;
    margin-left: 35%;
    background-color: #F0F0F0;
}

td{
    /* Write code for css values here */
    text-align: center;
}

caption {
    /* Write code for css values here */
    text-align: left;
    font-weight: bold;
}

.thead {
    /* Write code for css values here */
    background-color: #800000;
    font-weight: bold;
    color: white;
}

.tr1{
    /* Write code for css values here */
}

```



```
        background-color: #ff0080;
    }

    .tr2{
        /* Write code for css values here */
        background-color: #00FFFF;
    }

    #ex1, #vg1{
        /* Write code for css values here */
        background-color: #00ff00;
    }

    #gol{
        /* Write code for css values here */
        background-color: #ffff00;
    }

    #av1{

        /* Write code for css values here */
        background-color: #d3d3d3;
        color: #ffffff;

    }

    #bal{

        /* Write code for css values here */
        background-color: #ff0000;
        color: #ffffff;

    }
```