**Software License Details**

index.html

<!--Do not make any change in this code template -->

<html>

<head>

<script src="script.js" type="text/javascript"> </script>

</head>

<body>

    <h2>Software License Details</h2>

              <table>

                             <tr>

                                           <td> Software Name</td>

                                 <td><input type="text" id="softwareName" placeholder="Enter the software name" required></td>

                             </tr>

                             <tr>

                                           <td> Serial Key </td>

                                 <td> <input type="text" id="serialKey" placeholder="Enter 12 digit alphanumeric serial key" required></td>

                             </tr>

        <tr>

                                           <td> </td>

                                 <td> <button id="validate" onclick=validate()>Validate</button> </td>

                             </tr>

    </table>

    <div id="result"></div>

</body>

</html>

script.js

// Fill the code wherever necessary

function validate()

{

              var softwareName=document.getElementById("softwareName").value;

              var serialKey = document.getElementById("serialKey").value;

              //var serialKey= //Fill your code here to get the value of element by using id "serialKey" and store it in a variable "serialKey"

              //HINT: use the above "softwareName" as a sample to get "serialKey"

              if(softwareName && serialKey)

              {

        if(validateSerialKey(serialKey))

            document.getElementById("result").innerHTML = "The serial key "+serialKey+" is validated successfully for the software "+softwareName;

        else

            document.getElementById("result").innerHTML = "Please, provide a valid serial key with 12 alphanumeric characters";

              }

              else

                  document.getElementById("result").innerHTML = "Software name (or) serial key missing";

}

function validateSerialKey(serialKey)

{

    var pattern=/^[0-9a-zA-Z]{12}$/;

    var isSerialKey = serialKey.match(pattern);

    return Boolean(isSerialKey);

              // Fill your code here

    // find if the serialKey is valid by checking if it matches the given pattern

    // return true or false

}

**Find Highest Enrollment of Policies**

index.html

<!--Do not make any change in this code template -->

<html>

<head>

<script src="script.js" type="text/javascript"> </script>

</head>

<body>

    <h2>Find Highest Enrollment of Policies</h2>

              <table>

                             <tr>

                                           <td>Policy Number</td>

                                 <td><input type="text" id="policyNumber" placeholder="Enter the 7 digit policy number" required></td>

                             </tr>

                             <tr>

                                           <td> Enrolled Amount </td>

                                 <td> <input type="number" id="amount" placeholder="Enter the amount" required></td>

                             </tr>

        <tr>

                                           <td> </td>

                                 <td> <button id="submit" onclick=validate()>Submit</button> </td>

                             </tr>

    </table>

    <div id="result"></div>

</body>

</html>

**script.js**

// Fill the code wherever necessary

function validate()

{

              var policyNumber=document.getElementById("policyNumber").value;

              amount=document.getElementById("amount").value;

              //var amount= //Fill your code here to get the value of element by using id "amount" and store it in a variable "amount"

              //HINT: use the above "policyNumber" as a sample to get "amount"

              if(policyNumber && amount)

              {

        if(validatePolicyNumber(policyNumber))

            document.getElementById("result").innerHTML = "The policy number "+policyNumber+" is enrolled successfully with Rs "+amount;

        else

            document.getElementById("result").innerHTML = "Please, provide a valid 7 digit policy number";

              }

              else

                  document.getElementById("result").innerHTML = "Policy Number (or) Amount is missing";

}

function validatePolicyNumber(policyNumber)

{

    var pattern=/^[0-9]{7}$/;

    if(!(policyNumber.match(pattern)))

    return false

    else

    return true;

              // Fill your code here

    // find if the policyNumber is valid by checking if it matches the given pattern

    // return true or false

}

**Email Validation**

**index.html**

<!--Do not make any change in this code template -->

<html>

<head>

<script src="script.js" type="text/javascript"> </script>

</head>

<body>

    <h2>Registration form</h2>

              <table>

                             <tr>

                                           <td> Trainee Name</td>

                                 <td><input type="text" id="traineeName" placeholder="Enter the trainee name" required></td>

                             </tr>

                             <tr>

                                           <td> Email ID </td>

                                 <td> <input type="text" id="emailId" placeholder="Enter the email id" required></td>

                             </tr>

        <tr>

                                           <td> </td>

                                 <td> <button id="register" onclick=validate()>Register</button> </td>

                             </tr>

    </table>

    <div id="result"></div>

</body>

</html>

**script.js**

// Fill the code wherever necessary

function validate()

{

              var traineeName=document.getElementById("traineeName").value;

              //var emailId= //Fill your code here to get the value of element by using id "emailId" and store it in a variable "emailId"

              //HINT: use the above "traineeName" as a sample to get "emailId"

    var emailId = document.getElementById("emailId").value;

              if(traineeName && emailId)

              {

        if(validateEmailId(emailId))

            document.getElementById("result").innerHTML = "The email id : "+emailId+" is validated successfully for the trainee "+traineeName;

        else

            document.getElementById("result").innerHTML = "Please, provide a valid email id";

              }

              else

                  document.getElementById("result").innerHTML = "Trainee name (or) email id missing";

}

function validateEmailId(emailId)

{

    // Fill your code here to check whether the 'email' has '@' symbol and '.' symbol

    // HINT : emailId.includes("@") will return true, if the emailId has '@' symbol.

    // find whether email has both '@' and '.'

    // Return true or false

    if(emailId.includes('@') && emailId.includes('.')){

        return true;

    }

    return false;

}

**Number Of Days**

index.html

<!--Do not make any change in this code template -->

<html>

<head>

<script src="script.js" type="text/javascript"> </script>

</head>

<body>

    <h2>Recharge Pack Validity</h2>

              <table>

                             <tr>

                                           <td> Recharge Pack Name</td>

                                 <td><input type="text" id="rechargePackName" placeholder="Enter the recharge pack name" required></td>

                             </tr>

                             <tr>

                                           <td> Validity (in days) </td>

                                 <td> <input type="number" id="validity" min="1" placeholder="Enter the validity in days" required></td>

                             </tr>

        <tr>

                                           <td> </td>

                                 <td> <button id="validate" onclick=validate()>Submit</button> </td>

                             </tr>

    </table>

    <div id="result"></div>

</body>

</html>

script.js

// Fill the code wherever necessary

function validate()

{

              var rechargePackName=document.getElementById("rechargePackName").value;

              var validity=document.getElementById("validity").value;//Fill your code here to get the value of element by using id "validity" and store it in a variable "validity"

              //HINT: use the above "rechargePackName" as a sample to get "validity"

              if(rechargePackName && validity)

              {

        if(validateRechargePackName(rechargePackName))

            document.getElementById("result").innerHTML = "The recharge pack name "+rechargePackName+" with a validity of "+validity+" days is validated successfully";

        else

            document.getElementById("result").innerHTML = "Please, provide a valid recharge pack name";

              }

              else

                  document.getElementById("result").innerHTML = "Recharge pack name (or) validity in days missing";

}

function validateRechargePackName(rechargePackName)

{

    var pattern=/^[A-Z]{2}[0-9]{3}$/;

              // Fill your code here

    // find if the rechargePackName is valid by checking if it matches the given pattern

    // return true or false

    if(rechargePackName.match(pattern))

    {

        return true;

    }

    else

    {

        return false;

    }

}

**Frequency Calculation**

index.html

<!--Do not make any change in this code template -->

<html>

<head>

<script src="script.js" type="text/javascript"> </script>

</head>

<body>

    <h2>Frequency Calculator</h2>

              <table>

                             <tr>

                                           <td> Frequency Band</td>

                                 <td><input type="text" id="band" placeholder="Enter the frequency band" required></td>

                             </tr>

                             <tr>

                                           <td> Wavelength in mm </td>

                                 <td> <input type="number" id="wavelength" placeholder="0.1-1000" min="0.1" max="1000" step="0.1" required></td>

                             </tr>

        <tr>

                                           <td> </td>

                                 <td> <button id="submit" onclick=validate()>Submit</button> </td>

                             </tr>

                             <tr>

                             <td colspan="2">

                             \* Acceptable frequency bands are H, M, L, U, S, C, X, K.

                             </td>

                             </tr>

    </table>

    <div id="result"></div>

</body>

</html>

script.js

// Fill the code wherever necessary

function validate()

{

              var band=document.getElementById("band").value;

              var wavelength=document.getElementById("wavelength").value //Fill your code here to get the value of element by using id "wavelength" and store it in a variable "wavelength"

              //HINT: use the above "band" as a sample to get "wavelength"

              if(band && wavelength)

              {

        if(validateFrequencyBand(band))

            document.getElementById("result").innerHTML = "The frequency band "+band+" with wavelength "+wavelength+" is validated successfully";

        else

            document.getElementById("result").innerHTML = "Please, provide a valid frequency band";

              }

              else

                  document.getElementById("result").innerHTML = "Frequency band (or) wavelength missing";

}

function validateFrequencyBand(band)

{

    var pattern=/^[H|M|L|U|S|C|X|K]$/;

              // Fill your code here

    // find if the band is valid by checking if it matches the given pattern

    // return true or false

    if(band.match(pattern))

    {

        return true;

    }

    else

     {

         return false;

     }

}

**AC Maintenance Service-V1**

AcMaintenanceService.html

<!DOCTYPE html>

<html>

<head>

   <script src="script.js" lang="text/javascript"></script>

   <title>AC Maintenance Service</title>

   <style type ="text/css">

        body {

            /\* Fill attributes and values \*/

            background-color: #0CA2B9;

            width: 80%;

            margin-left: 10%;

        }

        h1 {

            /\* Fill attributes and values \*/

            color: #FFFFFF;

            font-family:Calibri;

            font-style: italic;

            background-color: #900043;

            text-align:center;

        }

        #result {

            /\* Fill attributes and values \*/

            font-weight: bold;

            font-family: Arial;

            font-size:18px;

            color:#782E07;

        }

        #submit, #reset {

            /\* Fill attributes and values \*/

            font-weight: bold;

            font-family: Candara;

            background-color: #556B2F;

            width:10em;

            height:35px;

            border-radius: 10px;

        }

        input {

            width:13.6em;

        }

        #appointment {

            font-family:sans-serif;

            width:80%;

            border-collapse:collapse;

            text-align:left;

        }

        #acType, textarea{

            width:13.6em;

        }

        select {

            width:14em;

        }

        td{

            padding:3px;

        }

        #male, #female, #yearlyMaintenance {

            width:10pt;

        }

       .checkboxes label {

          display: inline-block;

          padding-right: 10px;

          white-space: nowrap;

        }

        .checkboxes input {

          vertical-align: middle;

        }

        .checkboxes label span {

          vertical-align: middle;

        }

    </style>

</head>

<body>

<h1>AC Maintenance Service</h1>

<form onsubmit="return bookAppointment()" >

    <table id="appointment">

        <tr>

            <td> <label for = 'customerName'>Customer Name</label></td>

            <td><input type='text'  id = 'customerName' placeholder="Enter your name" required> </td>

        </tr>

        <tr>

            <td> <label for = 'mobileNumber'>Mobile Number</label> </td>

            <td> <input type ='tel' id ='mobileNumber' name  ='Mobile Number' placeholder="Enter your mobile number" pattern="^[7-9][0-9]{9}$" maxlength="10" minLength = '10' required> </td>

        </tr>

        <tr>

            <td> <label for = 'address'>Address</label></td>

            <td> <textarea id= 'address' name = 'address' placeholder="Enter your address" rows = '5' cols ='25' required></textarea> </td>

        </tr>

        <tr>

            <td> <label for = 'acType'>AC Type</label> </td>

            <td>

            <select id="acType">

                 <option id="Split" value ="Split">Split</option>

                     <option  id="Window" value  ="Window">Window</option>

                     <option  id = "Centralized" value = "Centralized">Centralized</option>

                     <option id='Portable' value  ='Portable'>Portable</option>

            </select>

            </td>

        </tr>

        <tr>

            <td> <label for ='serviceType'>Service Type</label> </td>

           <td>

               <input type="checkbox" name="serviceType" id="Cleaning" value="Cleaning" ><label for = 'Cleaning'> Cleaning</label>

               <input type="checkbox" name="serviceType" id="Repair" value="Repair" ><label for = 'Repair'> Repair</label>

               <input type="checkbox" name="serviceType" id="Gas Refill" value="Gas Refill" ><label for = 'Gas Refill'> Gas Refill</label>

               <input type="checkbox" name="serviceType" id="Relocation" value="Relocation" ><label for = 'Relocation'> Relocation</label>

               <input type="checkbox" name="serviceType" id="Filter" value="Filter" ><label for = 'Filter'> Filter</label>

           </td>

        </tr>

        <tr>

            <td> <label for = 'dateForAppointment'>Date for Appointment</label> </td>

            <td> <input type ='date' id  = 'dateForAppointment' required> </td>

        </tr>

        <tr>

            <td> <label for ='yearlyMaintenance'>Yearly Maintenance</label> </td>

            <td> <input type = 'checkbox' id = 'yearlyMaintenance' name = 'yearlyMaintenance'> <label for = 'yearlyMaintenance'>Select if required</label></td>

        </tr>

        <tr>

            <td> <!-- empty cell --></td>

            <td>

                <input type = 'submit'  value = 'Submit' id = 'submit'>

                <input type ='reset' value ='Clear'   id = 'reset' >

            </td>

        </tr>

        <tr>

            <td colspan="2">

                <div id="result"></div>

            </td>

        </tr>

    </table>

</form>

</body>

</html>

script.js

function getTotalService() {

    var totalServices = document.getElementsByName("serviceType");

    var count = 0;

    for(var i=0; i<totalServices.length; i++) {

        if(totalServices[i].checked) {

            count++

        }

    }

    return count;

}

function getServiceCost() {

    var totalServices = document.getElementsByName("serviceType");

    var totalCost = 0;

    for(var i=0; i<totalServices.length; i++) {

        if(totalServices[i].checked) {

            switch(totalServices[i].value) {

                case "Cleaning":

                    totalCost += 500;

                    break;

                case "Repair":

                    totalCost += 2500;

                    break;

                case "Gas Refill":

                    totalCost += 750;

                    break;

                case "Relocation":

                    totalCost += 1500;

                    break;

                case "Filter":

                    totalCost += 250;

                    break;

                default:

                    break;

            }

        }

    }

    return totalCost;

}

function calculateDiscount(serviceCost) {

    serviceCost = serviceCost\*0.85;

    return serviceCost;

}

function getYearlyMaintenanceCost() {

    var yearlyMaintenance = document.getElementsByName("yearlyMaintenance");

    if(yearlyMaintenance[0].checked)

        return 1500;

    else

        return 0;

}

function bookAppointment() {

    var totalNumberOfServices = getTotalService();

    var serviceCost = 0;

    if(totalNumberOfServices > 2) {

        serviceCost = calculateDiscount(getServiceCost());

    } else {

        serviceCost = getServiceCost();

    }

    var yearlyMaintenanceCost = getYearlyMaintenanceCost();

    var totalCost = serviceCost + yearlyMaintenanceCost;

    var acType = document.getElementById("acType").value;

    if(yearlyMaintenanceCost) {

        document.getElementById("result").innerHTML = "Your booking for " + acType +

            " AC service is successful!<br>The estimated service cost with maintenance is Rs." + Math.round(totalCost);

    } else {

        document.getElementById("result").innerHTML = "Your booking for " + acType +

            " AC service is successful!<br>The estimated service cost is Rs." + Math.round(totalCost);

    }

}

**We-Host Server Resellers - Purchase Entry-V1**

WEHOST.html

<!DOCTYPE html>

<html>

<head>

<script src="script.js" lang="text/javascript"></script>

    <title>We-Host Server Resellers - Purchase Entry</title>

              <style>

                                           input[type="text"] {

                                           width: 97%;}

                                           input[type="number"] {

                                           width: 97%;}

                                           input[type="tel"] {

                                           width: 97%;}

            body{

                background-image:url('WEHOST.jpg');

                background-size: 100%;

                font-weight: bold;

            }

                             div{

                font-size: 20px;

                text-align: center;

                color:#FFFFFF;

                margin-left: auto;

                margin-right: auto;

                             }

                     h3{

                         width: 50%;

                         color: #FFFFFF;

                         background-color: #000080;

                         margin-left: 25%;

                         margin-right: auto;

                         text-align: center;

                         font-family: Verdana;

                         padding: 5px;

                         border-radius: 6px;

                     }

                      table, td, tr{

                          border : solid 1px;

                          width: 50%;

                          margin-left: auto;

                          margin-right: auto;

                          border-spacing: 1px;

                          border-radius: 6px;

                          color: #000080;

                          background-color: #FFFFFF;

                          padding: 1px;

                                 }

            ::-webkit-input-placeholder {

                                           color: #808080; }

                             #submit{

                                 width: 50%;

                                 color: #FFFFFF;

                                 background-color: #000080;

                                 margin-left: 25%;

                                 margin-right: auto;

                                 padding: 5px;

                                 font-family: Verdana;

                                 font-weight: bold;

                                 border-radius: 6px;

                             }

              </style>

</head>

<body>

<h3>We-Host Server Resellers - Purchase Entry</h3>

<!--<form onsubmit="return calculatePurchaseCost()" >-->

<table>

              <tr>

        <td>Purchase Date</td>

        <td><input type="text" id="pdate" onfocus="today()" required/></td>

    </tr>

              <tr>

        <td>Customer Name</td>

        <td><input type="text" id="cname" placeholder="Enter the customer name" pattern="[a-zA-Z\s]+" required></td>

    </tr>

              <tr>

       <td>Address</td>

       <td><textarea placeholder="Enter the address" rows="4" cols="50" id="address" required></textarea></td>

              </tr>

              <tr>

       <td>Phone Number</td>

                 <td><input type="tel" id="phno" placeholder="Phone number" pattern="[7|8|9]+[0-9]{9}" required></td>

              </tr>

             <tr>

        <td>Server Type</td>

                             <td><select id="stype" required>

                                           <option value="Select Server Type..">Select Server Type..</option>

            <option id= "Dedicated Server" value="Dedicated Server">Dedicated Server</option>

            <option id="VPS" value="VPS">VPS</option>

                                           <option id= "Storage Server" value="Storage Server">Storage Server</option>

            <option id="Database Server" value="Database Server">Database Server</option>

            </select>

              </td>

    </tr>

              <tr>

        <td>CPU(Core)</td>

              <td><select id="core" required>

                            <option value="Select no of cores..">Select no of cores..</option>

            <option id="2 cores" value="2 cores">2 cores</option>

            <option id="4 cores" value="4 cores">4 cores</option>

                                           <option id="6 cores" value="6 cores">6 cores</option>

                                           <option id="8 cores" value="8 cores">8 cores</option>

                                 </select>

                             </td>

    </tr>

              <tr>

        <td>Configuration</td>

        <td><select id="configuration" required>

                                 <option value="Select configuration..">Select configuration..</option>

            <option id="4 GB RAM , 300 GB SSD-boosted Disk Storage" value="4 GB RAM , 300 GB SSD-boosted Disk Storage">4 GB RAM , 300 GB SSD-boosted Disk Storage</option>

            <option id="8 GB RAM , 700 GB SSD-boosted Disk Storage" value="8 GB RAM , 700 GB SSD-boosted Disk Storage">8 GB RAM , 700 GB SSD-boosted Disk Storage</option>

                                 <option id= "12 GB RAM , 1 TB SSD-boosted Disk Storage" value="12 GB RAM , 1 TB SSD-boosted Disk Storage">12 GB RAM , 1TB SSD-boosted Disk Storage</option>

                                 </select>

                  </td>

</tr>

<tr>

        <td>Payment Type</td>

        <td><select id="ptype"  required>

                                           <option id="Card" value="Card">Debit card / Credit card</option>

                                           <option id="Cash" value="Cash">Cash</option>

                                           </select>

        </td>

    </tr>

</table>

<br/><br/>

<input type="submit" value="CONFIRM PURCHASE" id="submit" onclick="calculatePurchaseCost()">

<br/><br/>

<div id="result"> </div>

<br/><br/>

<!--</form>-->

</body>

</html>

script.js

function getCoreCost(core)

{

    if(core.startsWith("2"))

    {

        return 20000;

    }

    if(core.startsWith("4"))

    {

        return 25000;

    }

    if(core.startsWith("6"))

    {

        return 30000;

    }

    if(core.startsWith("8"))

    {

        return 40000;

    }

}

function getConfigurationCost(config)

{

    if(config.startsWith("4"))

    {

        return 5000;

    }

    if(config.startsWith("8"))

    {

        return 10000;

    }

    if(config.startsWith("1"))

    {

        return 15000;

    }

}

function calculateTax(totalcost,ptype)

{

    let tax,ex=0;

     totalcost=parseInt(totalcost);

    tax=totalcost\*12/100;

    if(ptype.startsWith("Card"))

    {

        ex=(totalcost+tax)\*2/100;

    }

    return Math.round(totalcost+tax+ex);

}

function calculatePurchaseCost()

{

    var core=document.getElementById('core').value;

    var conf=document.getElementById('configuration').value;

    var corecost=getCoreCost(core);

    var confcost=getConfigurationCost(conf);

    var totalcost=corecost+confcost;

     var ptype=document.getElementById('ptype').value;

     var tax=calculateTax(totalcost,ptype);

     var server=document.getElementById('stype').value;

     document.getElementById('result').innerHTML="Purchase of a "+server+" with "+conf+" has been logged!<br>An amount of Rs."+tax+", inclusive of tax has been received by "+ptype;

}

**Boat Ride Bill Automation-V1**

index.html

<!DOCTYPE html>

<html>

<head>

<title>Boat Ride Bill Automation</title>

<style>

              input[type="number"] {

              width:98%;

              }

              input[type="text"] {

              width:98%;

              }

              input[type="date"] {

              width: 98%;

              }

              input[type="email"] {

              width:98%;

              }

              input[type="tel"] {

              width: 98%;

              }

              select {

              width: 98%;

              }

              body{

                             margin-left: auto;

                             margin-right: auto;

                             width: 60%;

                             background-size:60%;

              }

              form {

                             margin-left: auto;

                             margin-right: auto;

                             text-align: center;

                             width: 50%;

              }

              h1 {

                             background-color: #00cc66;

                             color: #FFFFFF;

                             font-family: Courier New;

                             font-style: italic;

                             text-align: center;

              }

              td, th {

                             border: 1px solid #ddd;

                             padding: 8px;

              }

              #main{

                             background-color: #9999ff;

                             padding-top: 12px;

                             padding-bottom: 12px;

                             text-align: center;

                             color: #FFFFFF;

                             font-weight: bold;

                             padding-left: 10px;

                             padding-right: 10px;

              }

              #result{

                             font-size:20px;

                             font-weight:bold;

              }

</style>

</head>

<body>

<div id="main">

<h1>Boat Ride Bill Automation</h1>

<form onsubmit="return bookRide()">

<table>

              <tr>

                             <td>Customer Name</td>

                             <td><input type="text" id="cname" name="cname" placeholder="Customer Name"  /></td>

              </tr>

              <tr>

                            <td>Phone Number</td>

                             <td><input type="tel" id="phno" name="phno" placeholder="Phone Number"  /></td>

              </tr>

              <tr>

                             <td>Email</td>

                             <td><input type="email" id="email" name="email" placeholder="Email"  /></td>

              </tr>

              <tr>

                             <td>Number of Persons</td>

                             <td><input type="text" id="noOfPersons" name="noOfPersons" placeholder="Number of Persons" required /></td>

              </tr>

              <tr>

                             <td>Boat Type</td>

                             <td><select id="btype" name="btype">

                             <option id="2seater" value="2 Seater Boat">2 Seater Pedal Boat</option>

                             <option id="4seater" value="4 Seater Boat">4 Seater Pedal Boat</option>

                             <option id="8seater" value="8 Seater Boat">8 Seater Motor Boat</option>

                             <option id="15seater" value="15 Seater Boat">15 Seater Motor Boat</option>

                             </select></td>

              </tr>

              <tr>

                             <td>Travel Duration in Hours</td>

                             <td><input type="number" id="duration" name="duration"  /></td>

              </tr>

</table>

<br>

<p><input type="submit" id="submit" name="submit" value="Book Ride"/></p>

<div id="result"></div>

</form>

</div>

<script src="script.js"></script>

</body>

</html>

script.js

function bookRide(){

    var btype=document.getElementById("btype").value;

    var noOfPersons=document.getElementById("noOfPersons").value;

    var duration=document.getElementById("duration").value;

    var boatCount=getBoatCount(btype,noOfPersons);

    var boatPrice=getBoatPrice(btype,boatCount);

    var cal=calculateBill(boatPrice,duration);

    document.getElementById("result").innerHTML="You need to pay Rs."+cal;

}

function calculateBill(boatPrice,duration){

   return boatPrice\*duration;

}

function getBoatPrice(btype,boatCount){

    if(btype=="2 Seater Boat"){

        return (boatCount\*240);

    }

    if(btype=="4 Seater Boat"){

        return (boatCount\*260);

    }

    if(btype=="8 Seater Boat"){

        return (boatCount\*560);

    }

    if(btype=="15 Seater Boat"){

        return (boatCount\*990);

    }

}

function getBoatCount(btype,noOfPersons){

    if(btype=="2 Seater Boat"){

        if (noOfPersons%2===0){

            return(parseInt(noOfPersons/2));

        }

        else{

            return(parseInt(noOfPersons/2)+1);

        }

    }

    if(btype=="4 Seater Boat"){

        if (noOfPersons%4===0){

            return(parseInt(noOfPersons/4));

        }

        else{

            return(parseInt(noOfPersons/4)+1);

        }

    }

    if(btype=="8 Seater Boat"){

        if (noOfPersons%8===0){

            return(parseInt(noOfPersons/8));

        }

        else{

            return(parseInt(noOfPersons/8)+1);

        }

    }

    if(btype=="15 Seater Motor Boat"){

        if (noOfPersons%15===0){

            return(parseInt(noOfPersons/15));

        }

        else{

            return(parseInt(noOfPersons/15)+1);

        }

    }

}

**Singapore Tourism-V1**

index.html

<!DOCTYPE html>

<html>

    <head>

        <title>Singapore Tourism</title>

        <style>

            input[type="number"],input[type="text"],input[type="date"],input[type="email"],input[type="tel"],select {

                             width:95%;

                             }

                             body{

                background-color: #993366;

                             font-weight: bold;

                             }

                             div{

                                           margin-left: auto;

                                           margin-right: auto;

                                           text-align: center;

                                           color: #FFFFFF;

                                           font-size: 20px;

                             }

                 h3{

                                font-family: Verdana;

                                text-align: center;

                                border-radius: 6px;

                                margin-left: auto;

                                margin-right: auto;

                                background-color: #00ccff;

                                color: #FFFFFF;

                                width: 50%;

                                padding: 5px;

                 }

                             table, td, tr{

                                           margin-left: auto;

                                           margin-right: auto;

                                           text-align: left;

                                           border: solid 2px black;

                                           border-spacing: 1px;

                                           border-radius: 6px;

                                           width: 50%;

                                           padding: 1px;

                                           color: #009900;

                                           background-color:  #f2f2f2 ;

                             }

                             ::-webkit-input-placeholder {

                                           color: #696969;

                                           font-weight: bold;

                             }

                             #submit{

                                           color: #FFFFFF;

                                           font-weight: bold;

                                           font-family: Verdana;

                                           background-color: #00ccff;

                                           border-radius: 6px;

                                           padding: 5px;

                                           width: 50%;

                                           margin-right: auto;

                                           margin-left: auto;

                             }

                             #result{

                                           color: #000000;

                                           font-size: 20px;

                             }

                             </style>

              </head>

<body>

<div>

<h3>Singapore Tourism</h3>

<form onsubmit="return calculateCost()">

    <table border="1">

        <tr>

            <td> Name </td>

            <td> <input type="text" id="name" required></td>

        </tr>

        <tr>

            <td> Phone no  </td>

            <td> <input type="tel" id="phno" required></td>

        </tr>

        <tr>

            <td> Email ID </td>

            <td> <input type="email" id="email" required></td>

        </tr>

        <tr>

            <td> Number of Persons  </td>

            <td> <input type="number" id="noOfPersons" required></td>

        </tr>

        <tr>

            <td> Prefer Stay</td>

            <td><input type="radio" id="yes" name="preferStay" value="Yes" required onchange="disableNoOfDaysStay()">Yes

            <input type="radio" id="no" name="preferStay" value="No" required onchange="disableNoOfDaysStay()">No</td>

        </tr>

        <tr>

            <td> Number of Days Stay </td>

            <td> <input type="number" id="noOfDaysStay" required></td>

        </tr>

        <tr>

            <td>Places you would like to visit</td>

              <td>

                  <input type="checkbox" name="placesOfChoice" id="Pilgrimage" value="Pilgrimage">Places Of Pilgrimage<br>

                             <input type="checkbox" name="placesOfChoice" id="Heritage" value="Heritage">Places Of Heritage<br>

                             <input type="checkbox" name="placesOfChoice" id="Hills" value="Hills">Hills<br>

                             <input type="checkbox" name="placesOfChoice" id="Falls" value="Falls">Falls<br>

                             <input type="checkbox" name="placesOfChoice" id="Beach" value="Beach">Beach<br>

                             <input type="checkbox" name="placesOfChoice" id="Adventures" value="Adventures">Places Of Adventures

            </td>

        </tr>

    </table>

<p><input type="submit" id="submit" value="Calculate Cost"></p>

<div id="result"></div>

</form>

</div>

<script src="script.js" type="text/javascript"> </script>

</body>

</html>

script.js

function getCount()

{

    var count=0;

    if(document.getElementById("Pilgrimage").checked===true)

    {

        count+=1;

    }

    if(document.getElementById("Heritage").checked===true)

    {

        count+=1;

    }

    if(document.getElementById("Hills").checked===true)

    {

        count+=1;

    }

    if(document.getElementById("Falls").checked===true)

    {

        count+=1;

    }

    if(document.getElementById("Beach").checked===true)

    {

        count+=1;

    }

    if(document.getElementById("Adventures").checked===true)

    {

        count+=1;

    }

    return count;

}

function getTotalCost(noOfpersons)

{

    var initcost=0;

    if(document.getElementById("Pilgrimage").checked===true)

    {

        initcost+=350;

    }

    if(document.getElementById("Heritage").checked===true)

    {

        initcost+=430;

    }

    if(document.getElementById("Hills").checked===true)

    {

        initcost+=780;

    }

    if(document.getElementById("Falls").checked===true)

    {

        initcost+=1200;

    }

    if(document.getElementById("Beach").checked===true)

    {

        initcost+=270;

    }

    if(document.getElementById("Adventures").checked===true)

    {

        initcost+=4500;

    }

    return initcost\*noOfpersons;

}

function calculateDiscount(cost)

{

    if(getCount()>=2)

    {

        return (cost\*(85/100));

    }

    return 0;

}

function getStayCost(noOfPersons)

{

if(document.getElementById("yes").checked===true)

{

    var noOfDays=document.getElementById("noOfDaysStay").value;

    return noOfPersons\* noOfDays \*150;

}

return 0;

}

function disableNoOfDaysStay()

{

    if(document.getElementById("no").checked===true)

    {

        document.getElementById("noOfDaysStay").setAttribute("disabled",true);

    }

/\*if(document.getElementById("yes").checked===true)

{

    document.getElementById("noOfDaysStay").setAttribute("disabled",false);

}\*/

}

function calculateCost()

{

    var noOfPersons=document.getElementById("noOfPersons").value;

    var totalcost=getTotalCost(noOfPersons);

    var discount=calculateDiscount(totalcost);

    var staycost=getStayCost(noOfPersons);

    var packagecost=discount+staycost;

    var res=packagecost+936;

    document.getElementById("result").innerHTML="Your preferred package cost "+res+"$";

    return false;

}

**Monthly Instalment Estimator-V1**

index.html

<!DOCTYPE html>

<html>

<head>

<title>Monthly Instalment Estimator</title>

<style>

              input[type="number"] {

              width:98%;

              }

              input[type="text"] {

              width:98%;

              }

              input[type="date"] {

              width: 98%;

              }

              input[type="email"] {

              width:98%;

              }

              input[type="tel"] {

              width: 98%;

              }

              select {

              width: 98%;

              }

              body{

                             background-color:#FFAACC;

              }

              div{

                             margin-left: auto;

                             margin-right: auto;

                             text-align: center;

                             color: #FFFFFF;

                             font-size: 20px;

              }

   h3{

                 font-family: Verdana;

                 text-align: center;

                 border-radius: 6px;

                 margin-left: auto;

                 margin-right: auto;

                 background-color: #770080;

                 color: #FFFFFF;

                 width: 50%;

                 padding: 5px;

   }

              table, td, tr{

                             margin-left: auto;

                             margin-right: auto;

                             border: solid 2px black;

                             border-spacing: 1px;

                             border-radius: 6px;

                             width: 50%;

                             padding: 1px;

                             color: #000099;

                             background-color: #F2F2F2 ;

              }

              ::-webkit-input-placeholder {

                             color: #696969;

                             font-weight: bold;

              }

              #submit{

                             margin-right: auto;

                             margin-left: auto;

                             color: #FFFFFF;

                             font-weight: bold;

                             font-family: Verdana;

                             background-color: #770080;

                             text-align:center;

                             border-radius: 6px;

                             padding: 5px;

                             width: 50%;

              }

              #result{

                             color: #770080;

                             font-size: 20px;

                             font-weight: bold;

              }

</style>

</head>

<body>

<div>

<h3>Monthly Instalment Estimator</h3>

<form onsubmit="return availLoan()">

<table>

              <tr>

                             <td>Applicant Name</td>

                             <td><input type="text" id="aname" name="aname" placeholder="Applicant Name" required /></td>

              </tr>

              <tr>

                             <td>Phone Number</td>

                             <td><input type="tel" id="phno" name="phno" placeholder="Phone Number" required /></td>

              </tr>

              <tr>

                             <td>Email</td>

                             <td><input type="email" id="email" name="email" placeholder="Email" required /></td>

              </tr>

              <tr>

                             <td>Aadhar Number</td>

                             <td><input type="text" id="aadhar" name="aadhar" placeholder="Aadhar Number" required /></td>

              </tr>

              <tr>

                             <td>Pan Number</td>

                             <td><input type="text" id="pan" name="pan" placeholder="Pan Number" required /></td>

              </tr>

              <tr>

                             <td>Monthly Income</td>

                             <td><input type="text" id="income" name="income" placeholder="Monthly Income" required /></td>

              </tr>

              <tr>

                             <td>Loan Type</td>

                             <td><select name="loanType" id="loanType">

                                 <option id="home" value="Home Loan">Home Loan</option>

                                 <option id="personal" value="Personal Loan">Personal Loan</option>

                                 <option id="vehicle" value="Vehicle Loan">Vehicle Loan</option>

                             </select></td>

              </tr>

              <tr>

                             <td>Expected Loan Amount</td>

                             <td><input type="number" id="expectedAmt" name="expectedAmt" required /></td>

              </tr>

              <tr>

                             <td>Tenure In Months</td>

                             <td><input type="number" id="tenure" name="tenure" required /></td>

              </tr>

</table>

<br>

<p><input type="submit" id="submit" name="submit" value="Avail Loan"/></p>

<div id="result"></div>

</form>

</div>

<script src="script.js" type="text/javascript"> </script>

</body>

</html>

script.js

function calculateEMI (income, expectedAmt, tenure, interestRatePerAnnum)

{

    var EMI, R, N;

    R=(interestRatePerAnnum/100)/12;

    N=tenure;

    EMI= (expectedAmt\*R\*(Math.pow((1+R),N))/(Math.pow((1+R),N)-1)).toFixed(2);

    return Math.round(EMI);

}

function getInterestRate(loanType)

{

    var intre;

    if(loanType=="Home Loan")

    {

        intre=7;

    }

    else if(loanType=="Personal Loan")

    {

        intre=7.8;

    }

    else if(loanType=="Vehicle Loan")

    {

        intre=15;

    }

    return intre;

}

function checkEligibility(income,emi)

{

    var tmp;

    tmp=income\*60/100;

    if(emi<=tmp)

    {

        return true;

    }

    else

    {

        return false;

    }

}

function availLoan()

{

    var lt,ltt;

    ltt=document.getElementById("loanType");//

    lt=ltt.options[ltt.selectedIndex].value;//

    var irpa;

    irpa=parseFloat(getInterestRate(lt));

    var expectedLoanAmount, income, tenure, emival;

    income=parseFloat(document.getElementById("income").value);

    expectedLoanAmount=parseFloat(document.getElementById("expectedAmt").value);

    tenure=parseFloat(document.getElementById("tenure").value);

    emival=parseInt(calculateEMI(income, expectedLoanAmount, tenure, irpa));

    var elig=checkEligibility(income, emival);

    if(elig===true)

    {

        document.getElementById("result").innerText="You are eligible to get a loan amount as "+expectedLoanAmount+"and emi per month is "+emival;

    }

    else

    {

        document.getElementById("result").innerText="You are not eligible";

    }

    return false;

}