WAP to embed Javascript into HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>js</title>
</head>
<body>


    <!-- i embbed javascript into the body tag.. -->
    <script>


        document.write("Hello Guys 👋")

        // text with large size using <h1> tag..
        document.write(" <h1>Welcome To PCA</h1>")

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

Javascript code using Conditional statements.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Conditional </title>
</head>
<body>
    <script>
        let age = 18
        if(age > 18){
            document.write('You are a Minor')
        }
        else{
            document.write('You are a Major')
        }
        document.write('<br><br>')

        var n = 10
        if(n % 2 == 0){
            document.write(`${n} Number is Even`)

        }
        else{
            document.write('Number is Odd')
        }

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

Output:

You are a Major

10 Number is Even

Javascript using Loops:

```
<> loop.html > ...
 1   <!DOCTYPE html>
 2   <html lang="en">
 3   <head>
 4       <title>loops</title>
 5   </head>
 6   <body>
 7       <script>
 8           // usingfor loop
 9           for(i=1; i<=10; i++){
10               document.write('Square of ' + i +" = "+ i*i)
11
12               document.write('<br>')
13           }
14           // using while loop
15           document.write('<br><br>')
16           var i=1
17           while(i<=10){
18               document.write('Value of I : ' + i)
19               document.write('<br>')
20               i+=1
21           }
22       </script>
23   </body>
24   </html>
```

Output:

Square of 1 = 1
Square of 2 = 4
Square of 3 = 9
Square of 4 = 16
Square of 5 = 25
Square of 6 = 36
Square of 7 = 49
Square of 8 = 64
Square of 9 = 81
Square of 10 = 100

Value of I : 1
Value of I : 2
Value of I : 3
Value of I : 4
Value of I : 5
Value of I : 6
Value of I : 7
Value of I : 8
Value of I : 9
Value of I : 10

Javascript different string functions:

```
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Document</title>
7    </head>
8    <body>
9        <script>
10        let str = "JavaScript";
11        const x = str.length;
12
13        document.write('length is:'+ x +'<br>')
14        document.write('UpperCase :'+ str.toUpperCase() +'<br>')
15        document.write('LowerCase :'+ str.toLowerCase() +'<br>')
16        document.write('Index of :'+ str.indexOf('S') + '<br>')
17        document.write('Slice :'+ str.slice(0,5) + '<br>')
18        document.write('Replace :'+ str.replace('c','t') + '<br>')
19        document.write('Includes :'+ str.includes('Ruby') + '<br>')
20        </script>
21    </body>
22    </html>
```

Output:

length is:10
UpperCase :JAVASCRIPT
LowerCase :javascript
Index of :4
Slice :JavaS
Replace :JavaStript
Includes :false

Events onblur,onfocus,onload..

```
<> event1.html > ⬡ html > ⬡ body > ⬡ script > ⬡ onload
 1    <!DOCTYPE html>
 2    <html lang="en">
 3    <head>
 4        <title>Events</title>
 5    </head>
 6    <body>
 7        <input type="text" id="input1" placeholder="Enter the name" onblur="upper()">
 8        <input type="text" id="input2" placeholder="Enter the name" onblur="upper()">
 9        <input type="submit"><br><br>
10        <input type="text" id="focus" placeholder="Click me!" onfocus="fs()">
11
12        <script>
13        function upper(){
14            var a=document.getElementById('input1')
15            var b=document.getElementById('input2')
16
17            a.value=a.value.toUpperCase();
18            b.value=b.value.toLowerCase();
19        }
20        function fs(){
21            alert('Input Field is Focused!');
22        }
23        window.onload=function(){
24            alert('page has finished loading!');
25        }
26
27        </script>
28    </body>
29    </html>
```

Output:

| SHUBHAM | desale | Submit |

Click me!

This page says

Input Field is Focused!

OK

Events onmouseover,onmouseout,onkeypress:

```
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <title>Events</title>
5   </head>
6   <body>
7       <h1 id="str" onmouseover="color()" onmouseout="color2()">MOUSEOVER</h1>
8       <input type="text" id="keypress" onkeypress="key()">
9       <p onkeypress="key()">my-paragrapg</p>
10      <script>
11          var a=document.getElementById('str')
12
13      function color(){
14        a.style.color='red'
15        a.style.fontSize='4rem'
16      }
17      function color2(){
18        a.style.color='magenta'
19        a.style.fontSize='2rem'
20      }
21      function key(){
22        document.getElementById('keypress').style.background='gray';
23        document.querySelector('p').style.background='red';
24      }
25      </script>
26  </body>
27  </html>
```

Output:

MOUSEOVER

WAP add two numbers using web form:

```html
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Add Two number web form></title>
7        <link rel="stylesheet" href="./stylenum.css">
8    </head>
9    <body>
10       <header>
11           <div class="box">
12               <label class="labels l1"> First Number :</label>
13              <input type="number" class="inputfield f-number"><br><br>
14              <label class="labels">Second Number :</label>
15               <input type="number" class="inputfield s-number"><br><br>
16               <p class="result"></p>
17               <button onclick="add()">Calculate</button>
18           </div>
19       </header>
20       <script>
21           function add(){
22               let a = document.querySelector('.f-number').value;
23               let b = document.querySelector('.s-number').value;
24               var c = parseInt(a) + parseInt(b)
25               document.querySelector(".result").innerText='Result : ' + c
26           }
27       </script>
28    </body>
29    </html>
```

Output:

First Number :

100

Second Number :

400

Result : 500

Calculate

Date objects:

```
<> date.html > ⬡ html > ⬡ body > ⬡ script
 1  <!DOCTYPE html>
 2  <html lang="en">
 3  <head>
 4      <meta charset="UTF-8">
 5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6      <title>Date Objects</title>
 7  </head>
 8  <body>
 9      <script>
10          // Current Date & Time
11          let date = new Date()
12          document.write('current date:' + date +'<br><br>')
13
14          // Current Time
15          let c_date = new Date()
16          document.write('current time:' + date.toLocaleTimeString())
17
18      </script>
19
20  </body>
21  </html>
```

Output:

current date:Wed Dec 06 2023 09:49:57 GMT+0530 (India Standard Time)

current time:9:49:57 AM

Dialog Boxes:

```
<> dialog.html > ⊗ html > ⊗ body > ⊗ script > ⊗ cnf
 1    <!DOCTYPE html>
 2    <html lang="en">
 3    <head>
 4        <meta charset="UTF-8">
 5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6        <title>Dialog Boxes</title>
 7    </head>
 8    <body>
 9        <button onclick="alr()">Alert Box</button>
10        <button onclick="cnf()">Confirm Box</button>
11        <button onclick="prm()">Prompt Box</button>
12
13        <script>
14            function alr(){
15                alert('Alert Box here! ');
16            }
17            function cnf(){
18                confirm('Confirm Box here! ');
19            }
20            function prm(){
21                prompt('Prompt Box here! ');
22            }
23        </script>
24
25    </body>
26    </html>
```
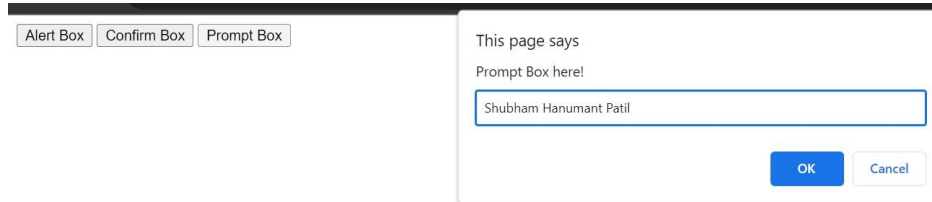
Output:

Alert Box | Confirm Box | Prompt Box

This page says

Prompt Box here!

Shubham Hanumant Patil

OK   Cancel

Form Validation:

```html
    </head>
    <body>
        <header>
            <div class="box">
                <form onsubmit="return data()">
                    <label>Username :</label>
                    <input type="text"  id="name"  class="input"><br><br>
                    <label>Contact:</label>
                    <input type="text"  id="number"  class="input"><br><br>
                    <label>Password:</label>
                    <input type="password"  id="pswd"  class="input"><br><br>
                    <label>Confirm Password :</label>
                    <input type="password"  id="c-pswd" class="input"><br><br>
                    <input type="submit" class="submit">
                </form>
            </div>
        </header>
        <script>
            function data(){
                var a = document.getElementById('name').value;
                var b = document.getElementById('number').value;
                var c = document.getElementById('pswd').value;
                var d = document.getElementById('c-pswd').value;
                if(a ==""||b ==""||c ==""||d =="" ) {
                    alert("All fields are Mendatory");
                    return false;
                }
                else if(b.length<10||b.length>10){
                    alert("Numbers should be 10 Digits");
                    return false;
                }
                else if(isNaN(b) ) {
                    alert("Only Numbers are Allowed");
                    return false;
                }
                else if(c!=d ) {
                    alert("Please enter same password");
                    return false;
                }
                else{
                    true;
                }
            }
        </script>
    </body>
```
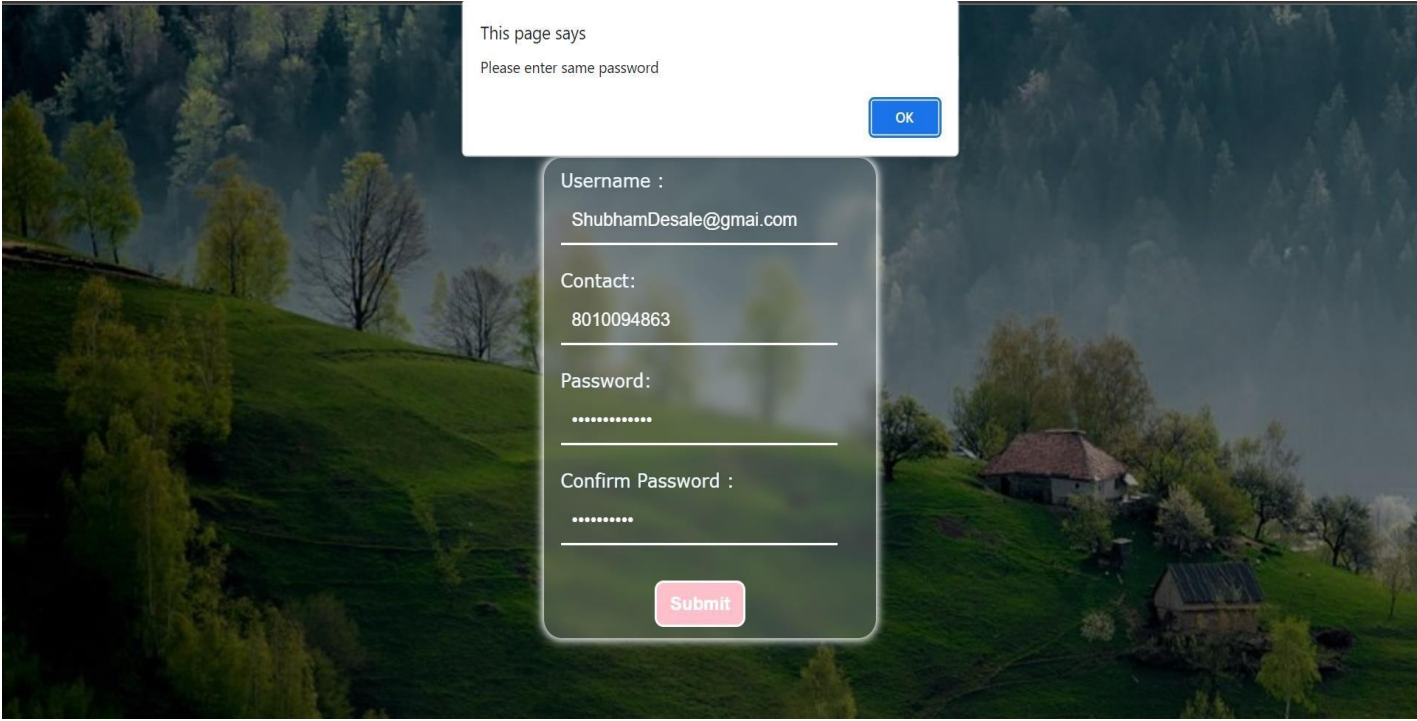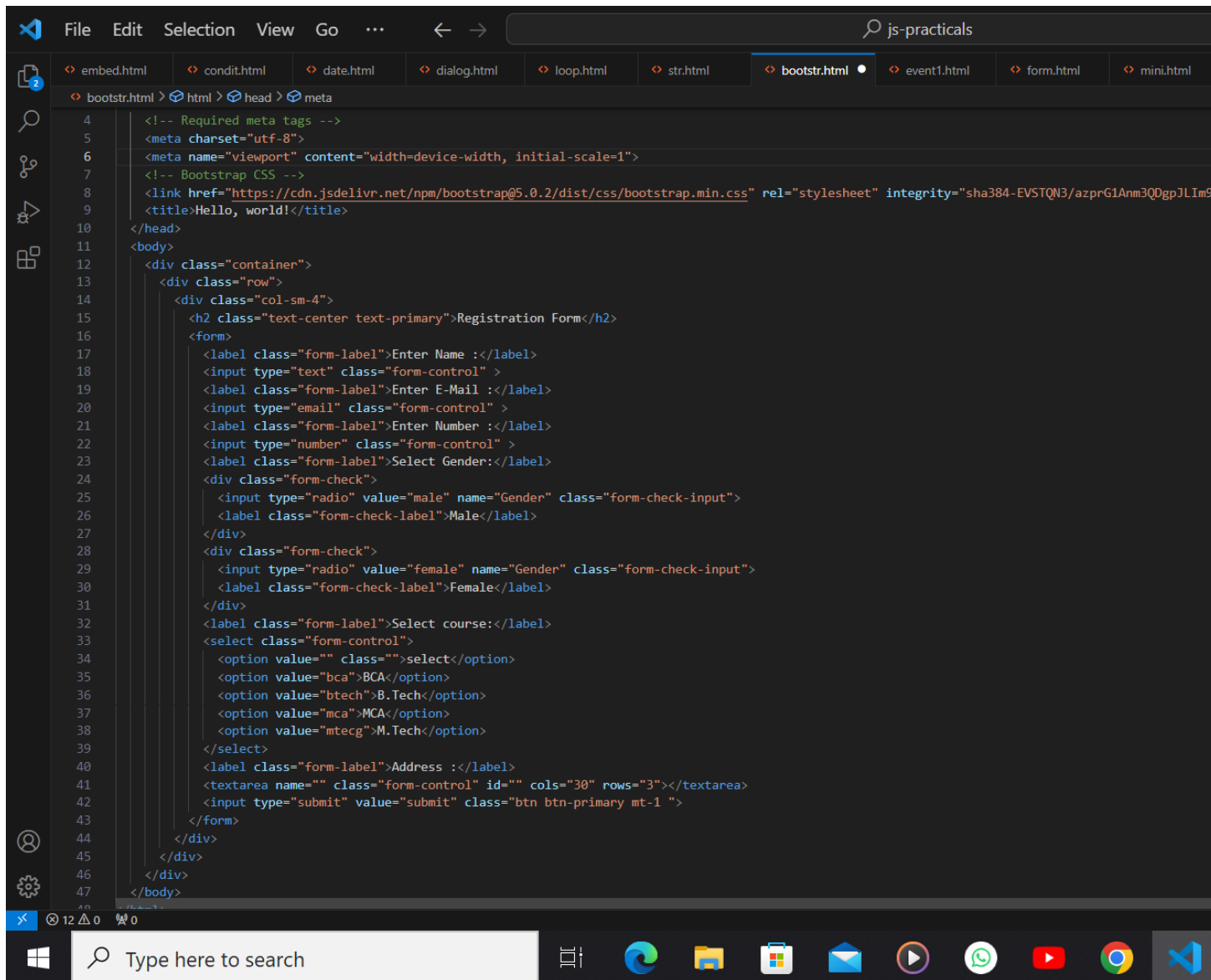
This page says

Please enter same password

OK

Username :

ShubhamDesale@gmai.com

Contact:

8010094863

Password:

••••••••••••

Confirm Password :

••••••••••

Submit

Bootstrap form:

```html
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9
    <title>Hello, world!</title>
</head>
<body>
    <div class="container">
        <div class="row">
            <div class="col-sm-4">
                <h2 class="text-center text-primary">Registration Form</h2>
                <form>
                    <label class="form-label">Enter Name :</label>
                    <input type="text" class="form-control" >
                    <label class="form-label">Enter E-Mail :</label>
                    <input type="email" class="form-control" >
                    <label class="form-label">Enter Number :</label>
                    <input type="number" class="form-control" >
                    <label class="form-label">Select Gender:</label>
                    <div class="form-check">
                        <input type="radio" value="male" name="Gender" class="form-check-input">
                        <label class="form-check-label">Male</label>
                    </div>
                    <div class="form-check">
                        <input type="radio" value="female" name="Gender" class="form-check-input">
                        <label class="form-check-label">Female</label>
                    </div>
                    <label class="form-label">Select course:</label>
                    <select class="form-control">
                        <option value="" class="">select</option>
                        <option value="bca">BCA</option>
                        <option value="btech">B.Tech</option>
                        <option value="mca">MCA</option>
                        <option value="mtecg">M.Tech</option>
                    </select>
                    <label class="form-label">Address :</label>
                    <textarea name="" class="form-control" id="" cols="30" rows="3"></textarea>
                    <input type="submit" value="submit" class="btn btn-primary mt-1 ">
                </form>
            </div>
        </div>
    </div>
</body>
```

Output:

Mini Website:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Mini web</title>
    <link rel="stylesheet" href="./stylemini.css">
</head>
<body>
<header>
    <nav>
        <div class="logo">
            <h2>NATURE</h2>
        </div>
        <div class="menu">
            <a href="#">home</a>
            <a href="#">about</a>
            <a href="#">service</a>
            <a href="#">contact</a>
            <a href="#" class="button">2023-24</a>
        </div>
    </nav>
    <div class="container">
        <h5><i>we all love</i></h5>
        <h1>nature</h1>
        <p>Look deep into nature, and will <br>understand everythind better</p>
    </div>
</header>
<section>
    <h2>About </h2>
<div class="background-img">
    <img src="./about2-png.png" alt="my-image">
</div>
<div class="description">
    <p>Nature encompasses the vast and diverse array of living and non-living elements that make up the physical world.
        It includes landscapes, ecosystems, plants, animals, weather, and geological formations. Nature is a source of beauty, inspiration, and ecological balance, providing essential resources for life
        on Earth. From serene forests and majestic mountains to vibrant coral reefs and flowing rivers,
        nd harmony in the natural order of the planet.</pa>
        <div class="btn">
        <button>Read More</button>
        </div>
</div>
</section>
</body>
</html>
```

```css
1  *{
2      margin: 0;
3      padding: 0;box-sizing: border-box;
4      font-family: Verdana, Geneva, Tahoma, sans-serif;
5  }
6  header{
7      width: 100%;
8      height: 100vh;
9      background:linear-gradient(□rgba(0,0,0,.6),□rgba(0,0,0,.6)), url('./background.jpg');
10     background-size:cover ;
11     background-repeat: no-repeat;
12     object-fit: cover;
13 }
14 nav{
15     display: flex;
16     justify-content: space-between;
17     align-items: center;
18     padding: 10px 2vw;
19 }
20 .logo h2{
21     color: ■#fff;
22     font-size: 2em;
23 }
24 .menu{
25     min-width: 50%;
26     display: flex;
27     justify-content: space-between;
28     align-items: center;
29 }
30 .menu a{
31     text-decoration: none;
32     color: ■#fff;
33     text-transform: capitalize;
34     font-size: 1rem;
35     letter-spacing: 1.5px;
36     font-weight: 500;
37 }
38 .button{
39     padding: 10px 20px;
40     border: 2px solid ■#fff;
41 }
42 .container{
43     width: 100%;
44     height: 90vh;
45     display: flex;
46     justify-content: center;
47     align-items: center;
48     flex-direction: column;
49     text-align: center;
50     color: ■#fff;
51 }
52 h5{
53     font-size: 2.6em;
54     word-spacing: -8px;
```

```css
57  h1{
58      font-size: 8em;
59      letter-spacing: 2px;
60      margin-top: -30px;
61      font-weight: 100;
62  }
63  p{
64      font-size: 20px;
65      line-height:40px;
66  }
67  section{
68      width: 100%;
69      height: 100vh;
70  }
71  h2{
72      text-align: center;
73      padding: 2rem;
74      font-size: 2em;
75  }
76  .background-img{
77      width: 100%;
78      height: 60%;
79      display: flex;
80      justify-content: end;
81  }
82  .background-img img{
83      width: 60%;
84      height: 100%;
85  }
86  .description{
87      width: 100%;
88      height: 40%;
89      padding: 20px;
90    overflow: hidden;
91  }
92  .description p{
93      width: 100%;
94      flex-wrap: wrap;
95      text-align: end;
96      margin-left: 2rem;
97      padding: 20px;
98  }
99  .btn{
100     display: flex;
101     justify-content: end;
102     padding-right:15em;
103 }
104 button{
105     background-color: ☐black;
106     color: ☐#fff;
107     border: none;
108     padding: 10px 30px;
109     border-radius: 20px;
110 }
```

NATURE

we all love

nature

Look deep into nature, and will
understand everythind better

About

Nature encompasses the vast and diverse array of living and non-living elements that make up the physical world. It includes landscapes, ecosystems, plants, animals, weather, and geological formations. Nature is a source of beauty, inspiration, and ecological balance, providing essential resources for life on Earth. From serene forests and majestic mountains to vibrant coral reefs and flowing rivers, and harmony in the natural order of the planet.

Read More