

Practice program: Article(semantic tags)

[Description](#)
[Grading view](#)

File List

Save

Compile & Run

Evaluate

Full screen

Description

index.html

```

1 <!-- do not make any changes in the template -->
2 <!-- fill your code in the areas indicated -->
3
4 <!DOCTYPE html>
5 <html lang="en">
6 <head>
7 <title>Article</title>
8 <style>
9 body {
10     font-family: Verdana,sans-serif;
11     font-size: 0.9em;
12 }
13 aside {
14     width: 30%;
15     padding-left: 15px;
16     margin-left: auto;
17     margin-right:auto;
18     font-style: italic;
19     background-color: #ccccff;
20 }
21 header,footer {
22     text-align:center;
23     padding: 10px;
24     color: white;
25     background-color: #669999;
26 }
27 h2{
28     text-align:center;
29 }
30 #content {
31     margin: 5px;
32     padding: 10px;
33     background-color: #ccccff;
34 }
35
36 article {
37     margin: 5px;
38     padding: 10px;
39     background-color: #e6fff2;
40 }
41 </style>
42 </head>
43 <body>
44     <header id="head">
45         <h1 id="heading1">Online Education</h1>
46     </header>
47     <div id="content">
48         <h2 id="heading2">Future Education</h2>
49         <article id="art1">
50             <h3 id="intro">Introduction</h3>
51             <p id="intro">Introduction</p>
52             <aside id="side">
53                 <p>hello</p>
54             </aside>
55         </article>
56         <article id="art2">
57             <h3 id="overview">Why Online Education</h3>
58             <p id="overview">actual why online Education</p>
59         </article>
60         <article id="art3">
61             <h3 id="reason">Reasons</h3>
62             <p id="reason">Reasons</p>
63         </article>
64     </div>
65     <footer id="foot">
66         <p id="status">Last update Apr 4,2019.</p>
67     </footer>
68 </body>
69 </html>
70

```



Practice program: Table of Contents - TOC

[Description](#)[Grading view](#)

File List

Save

Compile & Run

Evaluate

Full screen

Description

index.html

```
15 .split {
16   height: 100%;
17   width: 50%;
18   position: fixed;
19   overflow: scroll;
20   z-index: 1;
21   top: 0;
22 }
23 .left {
24   left: 0;
25   background-color: #000000;
26 }
27 .right {
28   right: 0;
29   background-color: #808080;
30   color: #000000;
31   width: 70%;
32 }
33 a {
34   text-decoration: none;
35   color: #808080;
36 }
37 </style>
38 </head>
39 <body>
40 <div class="split left">|
41   <!--fill the code-->
42   <ul id="links" style="list-style-type: none;">
43     <li><a href="#overview" id="link1"><p id="overview">HTML5 OVERVIEW</p></a></li>
44     <li><a href="#syntax" id="link2"><p id="syntax">HTML5 SYNTAX</p></a></li>
45     <li><a href="#attributes" id="link3"><p id="attributes">HTML5 ATTRIBUTES</p></a></li>
46     <li><a href="#events" id="link4"><p id="events">HTML5 EVENTS</p></a></li>
47     <li><a href="#forms" id="link5"><p id="forms">HTML5 WEB FORMS 2.0</p></a></li>
48     <li><a href="#advd" id="link6"><p id="advd">HTML5 AUDIO & VIDEO</p></a></li>
49   </ul>
50 </div>
51 <div class="split right">
52   <header>
53     <h2>Table of Contents</h2>
54   </header>
55   <ol type="1">
56     <li><p id="overview">HTML5 OVERVIEW</p>
57     <ul style="list-style-type: circle;">
58       <li><p id="overview">Browser Support</p></li>
59       <li><p id="overview">New Features</p></li>
60       <li><p id="overview">Backward Compatibility</p></li>
61     </ul>
62   </li>
63   <li><p id="syntax">HTML5 SYNTAX</p>
64   <ul style="list-style-type: circle;">
65     <li><p>The DOCTYPE</p></li>
```

```
68         <li><p>Character Encoding</p></li>
69         <li><p>The script tag</p></li>
70         <li><p>The link tag</p></li>
71         <li><p>HTML5 Elements</p></li>
72         <li><p>HTML5 Attributes</p></li>
73         <li><p>HTML5 Document</p></li>
74     </ul>
75 </li>
76
77     <li><p id="attributes">HTML5 ATTRIBUTES</p>
78     <ul style="list-style-type:circle;">
79         <li><p>Standard Attributes</p></li>
80         <li><p>Custom Attributes</p></li>
81     </ul>
82 </li>
83
84     <li><p id="events">HTML5 EVENTS</p></li>
85
86     <li><p id="forms">HTML5 WEB FORMS 2.0</p>
87     <ul style="list-style-type:circle;">
88         <li><p>The input element in HTML4</p></li>
89         <li><p>The input element in HTML5</p></li>
90         <li><p>The output element</p></li>
91         <li><p>The placeholder attributes</p></li>
92         <li><p>The autofocus attributes</p></li>
93         <li><p>The required attributes</p></li>
94     </ul>
95 </li>
96
97     <li><p id="advd">HTML5 AUDIO & VIDEO</p>
98     <ul style="list-style-type:circle;">
99         <li><p>Embedding Video</p></li>
100        <li><p>Video Attribute Specification</p></li>
101        <li><p>Embedding Audio</p></li>
102        <li><p>Audio Attribute Specification</p></li>
103        <li><p>Handling Media Events</p></li>
104        <li><p>Configuring Servers for Media Type</p></li>
105    </ul>
106 </li>
107 </ol>
108
109 </div>
110 </body>
111
```

Practice program: Chess Board Designing

[Description](#)[Grading view](#)

File List

Save

Compile & Run

Evaluate

Full screen

Description

★ CHESS.html

```
42
43 caption{
44     font-family: Georgia;
45     text-align: center;
46     font-size:20px;
47     border-radius: 6px;
48     padding:5px;
49     background-color:#ffffff;
50     border: 3px solid #606060;
51 }
52
53 input[type="button"]{
54     width:96px;
55     height:40px;
56     float:left;
57     border-radius: 6px;
58     padding:5px;
59 }
60
61 </style>
62 </head>
63
64 <body>
65 <table>
66     <caption id="table_caption">CHESS-MASTER</caption>
67     <tbody id="table_body">
68         <tr>
69             <td id="QR8" class="white_square" title="Black Rook"></td>
70             <td id="QN8" class="black_square" title="Black Knight"></td>
71             <td id="QB8" class="white_square" title="Black Bishop"></td>
72             <td id="Q8" class="black_square" title="Black Queen"></td>
73             <td id="K8" class="white_square" title="Black King"></td>
74             <td id="KB8" class="black_square" title="Black Bishop"></td>
75             <td id="KN8" class="white_square" title="Black Knight"></td>
76             <td id="KR8" class="black_square" title="Black Rook"></td>
77         </tr>
78
79         <tr>
80             <td id="QR7" class="black_square" title="Black Pawn"></td>
81             <td id="QN7" class="white_square" title="Black Pawn"></td>
82             <td id="QB7" class="black_square" title="Black Pawn"></td>
83             <td id="Q7" class="white_square" title="Black Pawn"></td>
84             <td id="K7" class="black_square" title="Black Pawn"></td>
85             <td id="KB7" class="white_square" title="Black Pawn"></td>
86             <td id="KN7" class="black_square" title="Black Pawn"></td>
87             <td id="KR7" class="white_square" title="Black Pawn"></td>
88         </tr>
89
90         <tr>
91             <td id="QR6" class="white_square"></td>
92             <td id="QN6" class="black_square"></td>
93             <td id="QB6" class="white_square"></td>
94             <td id="Q6" class="black_square"></td>
95             <td id="K6" class="white_square"></td>
96             <td id="KB6" class="black_square"></td>
```

```

97         <td id="KN6" class="white_square"></td>
98         <td id="KR6" class="black_square"></td>
99     </tr>
100
101     <tr>
102         <td id="QR5" class="black_square"></td>
103         <td id="QN5" class="white_square"></td>
104         <td id="QB5" class="black_square"></td>
105         <td id="Q5" class="white_square"></td>
106         <td id="K5" class="black_square"></td>
107         <td id="KB5" class="white_square"></td>
108         <td id="KN5" class="black_square"></td>
109         <td id="KR5" class="white_square"></td>
110     </tr>
111
112     <tr>
113         <td id="QR4" class="white_square"></td>
114         <td id="QN4" class="black_square"></td>
115         <td id="QB4" class="white_square"></td>
116         <td id="Q4" class="black_square"></td>
117         <td id="K4" class="white_square"></td>
118         <td id="KB4" class="black_square"></td>
119         <td id="KN4" class="white_square"></td>
120         <td id="KR4" class="black_square"></td>
121     </tr>
122
123     <tr>
124         <td id="QR3" class="black_square"></td>
125         <td id="QN3" class="white_square"></td>
126         <td id="QB3" class="black_square"></td>
127         <td id="Q3" class="white_square"></td>
128         <td id="K3" class="black_square"></td>
129         <td id="KB3" class="white_square"></td>
130         <td id="KN3" class="black_square"></td>
131         <td id="KR3" class="white_square"></td>
132     </tr>
133
134     <tr>
135         <td id="QR2" class="white_square" title="White Pawn"></td>
136         <td id="QN2" class="black_square" title="White Pawn"></td>
137         <td id="QB2" class="white_square" title="White Pawn"></td>
138         <td id="Q2" class="black_square" title="White Pawn"></td>
139         <td id="K2" class="white_square" title="White Pawn"></td>
140         <td id="KB2" class="black_square" title="White Pawn"></td>
141         <td id="KN2" class="white_square" title="White Pawn"></td>
142         <td id="KR2" class="black_square" title="White Pawn"></td>
143     </tr>
144
145     <tr>
146         <td id="QR1" class="black_square" title="White Rook"></td>
147         <td id="QN1" class="white_square" title="White Knight"></td>
148         <td id="QB1" class="black_square" title="White Bishop"></td>
149         <td id="Q1" class="white_square" title="White Queen"></td>
150         <td id="K1" class="black_square" title="White King"></td>
151         <td id="KB1" class="white_square" title="White Bishop"></td>
152         <td id="KN1" class="black_square" title="White Knight"></td>
153         <td id="KR1" class="white_square" title="White Rook"></td>
154     </tr>
155
156 </tbody>
157
158 <tfoot id="table_footer">
159
160     <tr>
161
162         <td>
163             <input type="button" id="setup" value="SetUpBoard">
164             <input type="button" id="online" value="PlayOnline">
165             <input type="button" id="computer" value="PlayComputer">
166             <input type="button" id="Withdraw" value="Withdraw">
167         </td>
168
169     </tr>
170
171 </tfoot>
172
173 </table>
174 </body>
175 </html>

```

File List

Save

Compile & Run

Evaluate

Full screen

Description

employee.html

1

<!DOCTYPE html>

2

<html>

3

<head>

4

<title>Employee Basic Information</title>

5

<style>

6

input{

7

width:200px;

8

}

9

body{

10

background-color:#F0E68C;

11

}

12

#personal{

13

background-color:#FF5F5F5;

14

font-weight:bold;

15

font-style:italic;

16

}

17

#current{

18

background-color:#FFF5EE;

19

font-weight:bold;

20

font-style:italic;

21

}

22

#previous{

23

background-color:#F8F8FF;

24

font-weight:bold;

25

font-style:italic;

26

}

27

h1{

28

Text-align:left;

29

text-decoration: underline;

30

color:#4B0082;

31

}

32

#submit{

33

color: #FFFFFF;

34

background-color: #4B0082;

35

}

36

</style>

37

</head>

38

<body>

39

<h1>Employee Basic Information</h1>

40

<form>

41

<fieldset id="personal">

42

<legend id="personallegend">Personal Information</legend>

43

<table>

44

<tr>

45

<td><label for="employeeenane">Employee Name</label></td>

46

<td><input type="text" id="employeeenane" name="employeeenane" placeholder="Enter the employee name" required></td>

47

</tr>

48

<tr>

49

<td><label for="employeeeid">Employee Id</label></td>

50

<td><input type="text" id="employeeeid" name="employeeeid" placeholder="Enter the employee id" required></td>

51

</tr>

52

<tr>

53

<td><label for="aadharanumber">Aadhar Number</label></td>

54

<td><input type="text" id="aadharanumber" name="aadharanumber" placeholder="Enter the aadhar number" required pattern="\d{4}-\d{4}-\d{4}" title="Pattern: 3214-5167-1892"></td>

55

</tr>

56

<tr>

57

<td><label for="email">Enter Email</label></td>

58

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

59

</tr>

60

</table>

61

</fieldset>

62

<fieldset id="current">

63

<legend id="currentlegend">Current position</legend>

64

<table>

65

<tr>

66

<td><label for="department">Department</label></td>

67

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

68

</tr>

69

<tr>

70

<td><label for="designation">Designation</label></td>

71

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

72

</tr>

73

<tr>

74

<td><label for="location">Location</label></td>

75

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

76

</tr>

77

</table>

78

</fieldset>

79

<fieldset id="previous">

80

<legend id="previouslegend">Previous Employment</legend>

81

<table>

82

<tr>

83

<td><label for="employer">Employer</label></td>

84

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

85

</tr>

86

<tr>

87

<td><label for="employerdesignatation">Employer Designation</label></td>

88

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

89

</tr>

90

</table>

91

</fieldset>

92

<input type="submit" id="submit" name="submit" value="Save & continue">

93

</form>

94

</body>

95

</html>

96

|

Evaluation Result:

Proposed grade: 100.00 / 100

Result Description

TEST CASE PASSED

File ListSave AllCompile & RunEvaluateFull screenDescription

FOREVER.htmlforeverbg.jpgforever.jpg

```
1 <!-- do not make any changes in the template -->
2 <!-- fill your code in the areas indicated -->
3
4 <!DOCTYPE html>
5 <html>
6 <head>
7   <title>Forever Event Management</title>
8   <style>
9     *{
10       font-weight: bold;
11     }
12     body{
13       background-image:url("foreverbg.jpg");
14       background-size:cover;
15     }
16     table{
17       width:55%;
18       height:70%;
19       margin-left: auto;
20       margin-right: auto;
21       border-spacing: 5px;
22     }
23     #foot{
24       margin-left: 600px;
25       border-spacing: 5px;
26     }
27     #submit,#reset{
28       padding:7px;
29       font-size:15px;
30       color: #ffffff;
31       background-color: #192841;
32     }
33     img{
34       margin-left: 500px;
35       margin-top : 6px;
36       margin-bottom: 1px;
37     }
38     td{
39       background-color: #ffffff;
40     }
41     caption, table, td{
42       border:1px solid #000000;
43     }
44     caption{
45       font-size:20px;
46       font-weight:bold;
47       color: white;
48       background-color: #192841;
49       padding:5px;
50     }
51     input[type="tel"],input[type="email"],input[type="text"],
52     select,textarea, input[type="number"], input[type="url"],
53     input[type="date"]{
54       width:100%;
55     }
56     input[type="range"]{
57       width:80%;
58     }
59   </style>
60 </head>
61 <body>
62   <script>
63     function show_value(x)
64     {
65       document.getElementById("demo").innerHTML="Rs."+x;
66     }
67   </script>
68   <form>
69     <figure id="forever_image">
70       
72
73     <table>
74       <caption id="table_caption">
75         Vendor Registration Form
76       </caption>
77
78       <tr>
79         <td><label for="cname">Company name</label></td>
80         <td><input type="text" name="company_name" id="cname" required/></td>
81       </tr>
82
83       <tr>
84         <td><label>Type</label></td>
85         <td>
86           <input type="radio" name="ctype" id="corporation"/>Corporation
87           <input type="radio" name="ctype" id="partnership"/>Partnership
88           <input type="radio" name="ctype" id="individual"/>Individual
89           <input type="radio" name="ctype" id="others"/>Others
90         </td>
91       </tr>
92
93       <tr>
94         <td><label for="phno">Phone Number</label></td>
95         <td><input type="tel" name="phone_number" id="phno" pattern="[789]\d{9}" required/></td>
96       </tr>
97
98       <tr>
99         <td><label for="email">Email ID</label></td>
100        <td><input type="email" name="email_id" id="email" required/></td>
101      </tr>
102
103      <tr>
104        <td><label for="address">Location</label></td>
105        <td><textarea name="location" id="address" rows="4" cols="50" required/></td>
106      </tr>
107
108      <tr>
109        <td><label for="link">Website Address</label></td>
110        <td><input type="url" id="link" name="website_address" required/></td>
111      </tr>
112
113      <tr>
114        <td><label for="tin">TIN No</label></td>
115        <td><input type="number" id="tin" name="tin_number" required/></td>
116      </tr>
117
118      <tr>
119        <td><label for="exp1-y">TIN No Expiry Date</label></td>
120        <td><input type="date" id="expiry" name="tin_expiry" required/></td>
121      </tr>
122
123      <tr>
124        <td><label for="cost">Average Project Cost</label></td>
125        <td>
126          <input type="range" id="cost" name="average_project_cost" min="25000" max="500000" step="1000" onchange="show_value(this.value);" required/>
127        </td>
128      </tr>
129
130      <tr>
131        <td><label for="profile">Upload Images of Licence, PPM & Facade</label></td>
132        <td><input type="file" id="profile" name="image_upload" accept="image/*" multiple required/></td>
133      </tr>
134
135
136
137    </table><br/>
138    <div id="foot">
139      <!--fill code here-->
140      <input type="submit" id="submit" value="REGISTER">
141      <input type="reset" id="reset" value="CLEAR">
142    </div>
143  </form>
144 </body>
145 </html>
```

Evaluation Result:

Proposed grade: 100.00 / 100

Practice program: Welcome Message

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Don't change or delete the try/catch block
2 function displayWelcomeMessage() {
3     try {
4         //Get the first name and last name using DOM functions
5         var firstName = document.getElementById('fname').value;
6         var lastName = document.getElementById('lname').value;
7         //Display the output in div with id "result"
8         document.getElementById('result').innerHTML = "Welcome " + firstName + " " + lastName;
9     }
10    } catch(err) {
11        document.getElementById("result").innerHTML=err;
12    }
13 }
```


Practice program: Table Booking

Description Code Editor Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Don't change or delete the try/catch block
2 function displayConfirmationMessage() {
3     try {
4         //Get the customer name and timing using DOM functions
5         //Display the output in div with id "result"
6         var name = document.getElementById('name').value;
7         var timings = document.getElementsByName('timing');
8         var selectedTiming = "";
9         for (var i = 0; i < timings.length; i++) {
10             if (timings[i].checked) {
11                 selectedTiming = timings[i].value;
12                 break;
13             }
14         }
15
16         document.getElementById('result').innerHTML = "Hi " + name + " your table has been booked between " + selectedTiming;
17
18     } catch(err) {
19         document.getElementById("result").innerHTML=err;
20     }
21 }
```

Practice program: Zogy online food delivery Feedback

Description Code Editor Grading view

File List Save All Compile & Run Evaluate Full screen Description

index.html script.js

```
1 * function show_value(x){
2     document.getElementById("demo").innerHTML=x;
3 }
4 function displayFeedbackMessage()
5 {
6     try {
7         //Get the name and feedback range value using DOM functions
8         //Display the output based on feedback range in div with id "result"
9         var Name = document.getElementById('cname').value;
10        var Rating = document.getElementById('rate').value;
11        if(Rating<=5){
12            document.getElementById('result').innerHTML = "Hi " +Name+ " Thank you for your valuable feedback. Sorry for the inconvenience. You will be contacted by our customer care officer soon"
13        } else if(Rating>5 && Rating<=8){
14            document.getElementById('result').innerHTML = "Hi "+Name+ " Thank you for your valuable feedback. You can post your complaints on customercare@gmail.com"
15        } else{
16            document.getElementById('result').innerHTML = "Hi " +Name+ " Thank you for your valuable feedback. Happy customers are our only asset"
17        }
18    } catch(err) {
19        document.getElementById("result").innerHTML=err;
20    }return false;
21 }
22 }
```

Practice program: Strike Rate Finder

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Don't change or delete the try/catch block
2 *function displayStrikeRate() {
3 *   try {
4       // Get the name, runs and balls using DOM functions
5       // Calculate the strike rate ends with 2 decimal digits
6       // Display the message as per the description in div tag with id "result"
7       var Name = document.getElementById('name').value;
8       var Runs = document.getElementById('runs').value;
9       var Balls = document.getElementById('balls').value;
10      var SR = (Runs/Balls)*100;
11      var message = "Name : "+Name+ "<br>Runs Scored : "+Runs+ "<br>Balls Faced : "+Balls+"<br>Strike Rate : "+ SR.toFixed(2);
12
13      document.getElementById('result').innerHTML = message;
14
15 *  } catch(err) {
16      document.getElementById("result").innerHTML=err;
17  }
18 }
```

Practice program: BigStorm Sign In

Description Code Editor Grading View

File List Save All Compile & Run Evaluate Full screen Description

```
index.html 0 script.js 0
1 //Don't change or delete the try/catch block
2
3 *function signIn(){
4 *  try{
5 *      //Get the values of elements using DOM
6 *      //Invoke the passwordValidate() method
7 *      //Display the result as per the requirement in the description
8 *      var name = document.getElementById('name').value;
9 *      var password = document.getElementById('password').value;
10 *
11 *      var isValidPassword = passwordValidate(password);
12 *
13 *      var resultDiv = document.getElementById('demo');
14 *      if (isValidPassword) {
15 *          resultDiv.innerHTML += "Sign In successful!!! Welcome "+name+" Learn More with BigStorm";
16 *      } else {
17 *          resultDiv.innerHTML += "Please enter a valid password (password should be of minimum 8 characters having at least 1 small letter(a-z), 1 capital letter(A-Z), 1 digit(0-9), 1 special character)";
18 *      }
19 *
20 *  }catch(err){
21 *      document.getElementById("demo").innerHTML="Function signIn: "+err;
22 *  }
23 *  return false;
24 * }
25
26 *function passwordValidate(password){
27 *  try{
28 *      //Validate the password (password should be of minimum 8 characters - having atleast 1 small letter(a-z), 1 capital letter(A-Z), 1 digit(0-9), 1 special character)
29 *      //return true or false based on validation
30 *      var regex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@#%&*()_+{}~\|\\';<>.,?-\|/~])(?!.*\s){8,}$/;
31 *      return regex.test(password);
32 *  }catch(err){
33 *      document.getElementById("demo").innerHTML="Function passwordValidate: "+err;
34 *  }
35 * }
36
```

Practice program: Ugly Number

[Description](#)[Code Editor](#)[Grading view](#)[File List](#)[Save All](#)[Compile & Run](#)[Evaluate](#)[Full screen](#)[Description](#)

index.html 0

script.js 0

```
1 //Don't change or delete the try/catch block
2
3 function display()
4 {
5
6     try {
7         var inputNumber = document.getElementById('ugly').value;
8         var resultDiv = document.getElementById('result');
9
10        if (inputNumber !== "") {
11            var num = parseInt(inputNumber);
12
13            if (isNaN(num)) {
14                if (num > 0) {
15                    var isUgly = checkUglyNumber(num);
16
17                    if (isUgly) {
18                        alert(num + " is an ugly number");
19                    } else {
20                        alert(num + " is not an ugly number");
21                    }
22                } else {
23                    alert("Invalid input");
24                }
25            } else {
26                alert("Please, specify a valid number input");
27            }
28        } else {
29            alert("Please, specify an input");
30        }
31    } catch (err) {
32        alert("Error in display: " + err);
33    }
34
35 }
36
37 function checkUglyNumber(num)
38 {
39     // Check whether the num value is an ugly number or not. If yes, return true. Else, return false
40     try {
41         if (num <= 0) {
42             return false;
43         }
44
45         while (num % 2 === 0) {
46             num /= 2;
47         }
48         while (num % 3 === 0) {
49             num /= 3;
50         }
51         while (num % 5 === 0) {
52             num /= 5;
53         }
54
55         return num === 1;
56     } catch (err) {
57         alert("Error in checkUglyNumber: " + err);
58         return false;
59     }
60 }
61
```

Practice program: Ugly Number

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 <!--Do not make any change in this code template -->
2
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6     <title>Ugly Number</title>
7     <script src="script.js"></script>
8 </head>
9 <body>
10     <form onsubmit="display();return false;">
11     <!-- fill the code -->
12     <label for="ugly">Enter the number to check if it is an ugly number</label>
13         <input type="number" id="ugly" required>
14         <input type="submit" id="uglybtn" value="Check Ugly Number">
15     </form>
16
17     <div id="result"></div>
18
19 </body>
20 </html>
```

Practice program: Alliteration

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
# 1 <html>
2   <head><script src="script.js"></script></head>
3   <body>
4       <form onsubmit="checkAlliteration();return false;">
5           <table>
6               <tr>
7                   <td><label for="char">Enter the letter</label></td>
8                   <td><input type="text" id="char" pattern="[b-df-hj-np-tv-zB-DF-HJ-NP-TV-Z]" ></td>
9               </tr>
10              <tr>
11                  <td><label for="alliter">Enter the sentence</label></td>
12                  <td><input type="text" id="alliter" required></td>
13              </tr>
14              <tr>
15                  <td><input type="submit" id="alliterbtn" value="Check Alliteration"></td>
16              </tr>
17          </table>
18      </form>
19      <div id="result"></div>
20  </body>
21 </html>
```


Practice program: Alliteration

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Dont change or delete the try/catch block
2
3 function checkAlliteration(){
4     try{
5
6         // Get the value of char & alliter components
7         // Invoke getCount() method - will return the number of words.
8         // IF the number of words in the sentence is <3, display the corresponding output statement in div with
9
10        // ELSE, invoke validateSentence() method - will return true / false.
11        // IF false, display the corresponding output statement in div with id 'result'
12
13        // ELSE, Invoke getScore() - will return the calculated score.
14        // Display the corresponding output statement in div with id 'result'
15        var char = document.getElementById('char').value.toLowerCase();
16        var sentence = document.getElementById('alliter').value.toLowerCase();
17
18        var wordCount = getCount(sentence);
19
20        if (wordCount < 3) {
21            document.getElementById("result").innerHTML = "Invalid number of words";
22            return false;
23        }
24
25        var isValidSentence = validateSentence(sentence);
26
27        if (!isValidSentence) {
28            document.getElementById("result").innerHTML = "Invalid sentence";
29            return false;
30        }
31
32        var Score = getScore(sentence, char);
33        document.getElementById("result").innerHTML = "Your score is "+Score;
34
35        return false;
36    }catch(err){
37        document.getElementById("result").innerHTML="Function checkAlliteration: "+err;
38    }
39 }
40
41 function getCount(str){
42     try{
43
44         // Calculates the number of words in str returns the count
45         var words = str.split(" ");
46         return words.length;
47
48     }catch(err){
49         document.getElementById("result").innerHTML="Function getCount: "+err;
50     }
51 }
52
```



```

52
53* function validateSentence(str){
54*     try{
55
56         // When any word of str starts with a vowel, return false; else, return true
57         var words = str.split(" ");
58
59         var validCharCount = 0;
60*         for (var j = 1; j < words.length; j++) {
61*             if (words[j][0].toLowerCase() === char) {
62                 validCharCount++;
63             }
64         }
65
66*         if (words.length < 3 && words[0][0].toLowerCase() !== char) {
67             return false;
68         }
69
70*         for (var i = 0; i < words.length; i++) {
71*             if (/^[aeiouAEIOU]/.test(words[i][0])) {
72                 return false;
73             }
74         }
75
76         return true;
77     }catch(err){
78*         document.getElementById("result").innerHTML="Function validateSentence: "+err;
79     }
80 }
81
82
83
84* function getScore(str,char){
85*     try{
86
87         // Compare the first letter of every word from str with char, calculate and return the score
88
89         var words = str.split(" ");
90         var score = 0;
91
92*         if(words[0][0].toLowerCase() !== char){
93             score = 0;
94             return score;
95         }
96
97         // Compare the first letter of every word from str with char
98*         for (var i = 1; i < words.length; i++) {
99*             if (i < 3 && words[i][0].toLowerCase() === char) {
100                 score += 1;
101*             } else if (i >= 3 && words[i][0].toLowerCase() === char) {
102                 // For each correct word after the first 3, a score of 2 is given
103                 score += 2;
104             }
105         }
106
107         return score;
108
109*     }catch(err){
110         document.getElementById("result").innerHTML="Function getScore: "+err;
111     }
112 }
113

```

Practice program: Concert Ticket Booking

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

CONCERT.html

concert.jpg

script.js

```
1 function show_value(x) {
2     document.getElementById("demo").innerHTML = x;
3 }
4
5 function costCalculation() {
6     var noOfTickets = parseInt(document.getElementById("noOfTickets").value);
7     var ticketType = document.getElementById("ticketType").value;
8     var couponCode = document.getElementById("couponCode").checked;
9     var refreshment = document.getElementById("refreshment").checked;
10    var basePrice = (ticketType === "Floor") ? 400 : 500;
11    var total = noOfTickets * basePrice;
12    var discount = 0;
13
14    // Apply discount for more than 20 tickets
15    if (noOfTickets > 20) {
16        total *= 0.9; // 10% discount
17    }
18
19    // Apply coupon code discount
20    if (couponCode) {
21        discount = noOfTickets * basePrice * 0.02; // 2% discount
22        total = total - discount;
23    }
24
25    // Add refreshment cost
26    if (refreshment) {
27        total += 100;
28    }
29
30    total = Math.round(total); // Round to the nearest integer
31    document.getElementById("result").innerHTML = "Your ticket charge is Rs. " + total;
32    return false;
33 }
34
```

Practice program: Concert Ticket Booking

Description Code Editor Grading view

File List Save All Compile & Run Evaluate Full screen Description

CONCERT.html concert.jpg script.js

```
54 <script src="script.js"> </script>
55 </head>
56 <body>
57 <form onsubmit="return costCalculation();">
58 <h3>Elektra Waves Concert Ticket Booking</h3><br/>
59 <table id="tickettable">
60 <tr><td colspan="2"><a href="#costchart" id="costchart_ref">View ticket cost chart</a></td></tr>
61
62 <tr><td colspan="2" class="title">Personal Details</td></tr>
63 <tr>
64 <td><label for="name">Name</label></td>
65 <td><input type="text" name="name" id="name" placeholder="Enter your name" required pattern="[A-Za-z\s]+" /></td>
66 </tr>
67 <tr>
68 <td><label>Gender</label></td>
69 <td>
70 <input type="radio" id="male" name="gender" value="male" required> Male
71 <input type="radio" id="female" name="gender" value="female" required> Female
72 </td>
73 </tr>
74
75 <tr>
76 <td><label for="address">Address</label></td>
77 <td><textarea name="address" id="address" rows="4" cols="50" placeholder="Enter your address" required></textarea></td>
78 </tr>
79
80 <tr>
81 <td><label for="phoneNumber">Phone Number</label> </td>
82 <td><input type="tel" name="phone_number" id="phoneNumber" placeholder="Enter your phone number" required pattern="[789]\d{9}" /> </td>
83 </tr>
84
85 <tr><td colspan="2" class="title">Ticket Details</td></tr>
86 <tr>
87 <td><label for="noOfTickets">No Of Tickets</label></td>
88 <td><input type="range" name="" id="noOfTickets" min="5" max="40" step="1" required oninput="show_value(this.value)" /><span id="demo"></span></td>
89 </tr>
90 <tr>
91 <td><label for="ticketType">Ticket Type</label> </td>
92 <td>
93 <select id="ticketType" name="ticketType">
94 <option value="Floor">Floor</option>
95 <option value="Balcony">Balcony</option>
96 </select>
97 </td>
98 </tr>
99 <tr>
100 <td>Add Ons</td>
101 <td>
102 <input type="checkbox" id="couponCode" name="addons" value="CouponCode"> Coupon Code
103 <input type="checkbox" id="refreshment" name="addons" value="Refreshment"> Refreshment
104 </td>
105 </tr>
106 </table>
107 </form>
108 </body>
109 </html>
```

```

104         </td>
105     </tr>
106 <tr>
107     <td><label for="cc">Coupon Code</label></td>
108     <td>
109         <input type="text" name="couponCode" id="cc" list="couponCodes" autocomplete="on" required />
110         <datalist id="couponCodes">
111             <option value="ELEKTRA20" id="couponCodes">
112             <option value="SIMBA20" id="couponCodes">
113         </datalist>
114     </td>
115 </tr>
116 </table>
117 <br/><br/>
118
119 <div id="buttons">
120     <input type="submit" name="Submit" id="submit" value="CONFIRM BOOKING" />
121     <input type="reset" name="Clear" id="clear" value="CLEAR" />
122 </div>
123 <br/>
124 <div id="result"> </div>
125 <br/><br/>
126
127 <table id="costchart">
128     <caption>Ticket Cost Chart</caption>
129     <tr>
130         <th>Ticket Type</th>
131         <th>Base Price</th>
132         <th>On Booking more than 20 tickets</th>
133         <th>On applying coupon code</th>
134     </tr>
135     <tr>
136         <td>Floor</td>
137         <td>400</td>
138         <td>10% discount</td>
139         <td>2% discount</td>
140     </tr>
141     <tr>
142         <td>Balcony</td>
143         <td>500</td>
144         <td>10% discount</td>
145         <td>2% discount</td>
146     </tr>
147     <tfoot>
148     <tr>
149         <td colspan=4>* You must pay Rs.100 extra on choosing Refreshment!</td>
150     </tr>
151     </tfoot>
152 </table>
153 </form>
154 </body>
155 </html>

```

```

64 </head>
65 <body>
66 <h1>Aqua Fish Stall</h1>
67 <form onsubmit="return getDisplay()" id="mainForm">
68 <table id="customerDetails">
69 <tr>
70 <td>Customer Name</td>
71 <td><input type="text" id="name" placeholder="Enter your name"></td>
72 </tr>
73 <tr>
74 <td>Phone Number</td>
75 <td><input type="tel" id="phonenumber" placeholder="Enter your phone number"></td>
76 </tr>
77 </table><hr>
78
79 <table id="fishType">
80 <tr>
81 <td>Anchovy</td>
82 <td><input type="number" id="anchovy" min="0" step="0.5"> in Kg</td>
83 </tr>
84 <tr>
85 <td>Barracuda</td>
86 <td><input type="number" id="barracuda" min="0" step="0.5"> in Kg</td>
87 </tr>
88 <tr>
89 <td>Crab</td>
90 <td><input type="number" id="crab" min="0" step="0.5"> in Kg</td>
91 </tr>
92 <tr>
93 <td>King Mackerel</td>
94 <td><input type="number" id="kingmackerel" min="0" step="0.5"> in Kg</td>
95 </tr>
96 <tr>
97 <td>Pomfret</td>
98 <td><input type="number" id="pomfret" min="0" step="0.5"> in Kg</td>
99 </tr>
100 <tr>
101 <td>Prawn</td>
102 <td><input type="number" id="prawn" min="0" step="0.5"> in Kg</td>
103 </tr>
104 <tr>
105 <td>Salmon</td>
106 <td><input type="number" id="salmon" min="0" step="0.5"> in Kg</td>
107 </tr>
108 <tr>
109 <td>Sardine</td>
110 <td><input type="number" id="sardine" min="0" step="0.5"> in Kg</td>
111 </tr>
112 <tr>
113 <td>Shark</td>
114 <td><input type="number" id="shark" min="0" step="0.5"> in Kg</td>
115 </tr>
116 <tr>
117 <td>Tilapia</td>
118 <td><input type="number" id="tilapia" min="0" step="0.5"> in Kg</td>
119 </tr>
120 </table>
121 <input type="submit" value="Submit" id="submit"/>
122 <div id="result"></div>
123 </form>
124 </body>
125 </html>

```


Practice program: Aqua Fish Stall - Js Debug

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Don't change or delete the try/catch block
2
3 function getDisplay()
4 {
5     try
6     {
7         //Debug and display the message as per the description in div tag with id "result"
8         var name = document.getElementById("name").value;
9         var phonenumber = document.getElementById("onenumber").value;
10        var total = getTotalAmount();
11        document.getElementById("result").innerHTML="Please pay $" +total;
12    }
13    catch(err) {
14        document.getElementById("result").innerHTML=err;
15    }
16    return false;
17 }
18
19 function getTotalAmount()
20 {
21     // Debug this Javascript code to calculate the cost of fish and return the total amount
22     var sum = 0;
23     try
24     {
25         if(document.getElementById("anchovy").value) {
26             sum += document.getElementById("anchovy").value*2;
27         }
28         if(document.getElementById("barracuda").value) {
29             sum += document.getElementById("barracuda").value*5;
30         }
31         if(document.getElementById("crab").value) {
32             sum += document.getElementById("crab").value*3;
33         }
34         if(document.getElementById("kingmackerel").value) {
35             sum += document.getElementById("kingmackerel").value*10;
36         }
37         if(document.getElementById("pomfret").value) {
38             sum += document.getElementById("pomfret").value*9;
39         }
40         if(document.getElementById("prawn").value) {
41             sum += document.getElementById("prawn").value*3;
42         }
43         if(document.getElementById("salmon").value) {
44             sum += document.getElementById("salmon").value*6;
45         }
46         if(document.getElementById("sardine").value) {
47             sum += document.getElementById("sardine").value*2;
48         }
49         if(document.getElementById("shark").value) {
50             sum += document.getElementById("shark").value*5;
51         }
52         if(document.getElementById("tilapia").value) {
53             sum += document.getElementById("tilapia").value*4;
54         }
55         return sum;
56     }
57     catch(err) {
58         document.getElementById("result").innerHTML=err;
59     }
60 }
61
```

Practice program: Factorial Number - Js

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 <!--Do not make any change in this code template -->
2
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6 <title>Factorial Number</title>
7 <style>
8   body {
9     margin-left: 150px;
10    margin-top: 50px;
11    background-color: lightcyan;
12  }
13 </style>
14 <script src="script.js"></script>
15 </head>
16 <body>
17 <form onsubmit="return getFunction()">
18 <table>
19   <tr>
20     <td>Enter the number to get its factorial number</td>
21     <td><input type="number" id="fact" name="fact" min=1 required/></td>
22   </tr>
23   <tr>
24     <td colspan="2"><input type="submit" id="factbtn" name="factbtn" value="Get Factorial Numbers"/></td>
25   </tr>
26 </table>
27 <div id="result"></div>
28 </form>
29 </body>
30 </html>
```

Practice program: Factorial Number - Js

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 //Don't change or delete the try/catch block
2
3 function getFunction()
4 {
5     //Do not make any change in this method
6     try
7     {
8         var a = document.getElementById("fact").value;
9         document.getElementById("result").innerHTML="Factorial of "+a+" is "+findFactorial(a);
10    }
11    catch(err){
12        document.getElementById("result").innerHTML=err;
13    }
14    return false;
15 }
16
17 function findFactorial(number) {
18
19     try
20     {
21         // Debug the logic to find the Factorial of the given number
22         var fact = 1;
23         for (var i = 1; i<=number; i++)
24         {
25             fact = fact*i;
26         }
27         return fact;
28     }
29     catch(err) {
30         document.getElementById("result").innerHTML=err;
31     }
32 }
```


Practice program: Welcome Message

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

welcome.html

welcome.js

```
1 //Write Your jQuery Code Here
2
3 $(document).ready(function() {
4
5     var okButton = $('#btnId');
6     okButton.click(function() {
7         var userName = $('#txt').val();
8         $('#address').text('Welcome ' + userName + '!');
9     });
10 });
11
```

Practice program: Select the Boxes

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

chkbox.html

chkbox.js

```
1 //WRITE YOUR jQuery CODE HERE
2
3 // checkboxScript.js
4
5 $(document).ready(function() {
6
7     $('input[type="checkbox"]').change(function() {
8
9         var checkedCount = $('input[type="checkbox"]:checked').length;
10        var resultText = checkedCount === 1
11            ? '1 box is checked'
12            : checkedCount > 1
13                ? checkedCount + ' boxes are checked'
14                : '0 boxes are checked';
15
16        $('#result').text(resultText);
17    });
18 });
19
```

Practice program: Change the Background Color

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

background.html

background.js

```
1 //WRITE YOUR JQUERY CODE HERE
2
3
4 $('#fname').change(function() {
5     $('#demo_form').append('<p>You have changed the First name</p>');
6 });
7
8
9 $('#lname').change(function() {
10     $('#demo_form').append('<p>You have changed the Last name</p>');
11 });
12
13 $(':input[type="text"]').focusin(function() {
14     $(this).css('background-color', 'green');
15 });
16
17
18 $(':input[type="text"]').focusout(function() {
19     $(this).css('background-color', 'grey');
20 });
```

Practice program: Employee Salary Calculation - Traversing

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

salary.html

script.js

```
1  $("button").click(function() {
2    // Define a function to calculate the total salary
3    function calculateTotalSalary() {
4        var totalSalary = 0;
5
6        // Traverse the 'Salary' column in the table and calculate the total
7
8        $('#example tbody tr').each(function() {
9            var salary = parseFloat($(this).find('td:nth-child(6)').text());
10           totalSalary += isNaN(salary) ? 0 : salary;
11        });
12
13        // Display the total salary in the 'para1' paragraph
14        $('#para1').text('Total Salary Paid: RS.' + totalSalary)
15    }
16
17    // Call the function to calculate and display the total salary
18    calculateTotalSalary();
19 });
20
```

Practice program: Customer Data - Events

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

customer.html

customer.js

```
1 // customer.js
2
3 // Function to add customer details to the table
4 function addCustomerDetails() {
5     var customerName = $('#name').val();
6
7     // Check if the input is not empty
8     if (customerName.trim() !== '') {
9         // Append a new row to the table with the entered name and a checkbox
10         $('tbody').append('<tr><td><input type="checkbox" name="record"></td><td>' + customerName + '</td></tr>');
11
12         // Clear the input after adding
13         $('#name').val('');
14     }
15 }
16
17 // Function to delete selected customer details from the table
18 function deleteCustomerDetails() {
19     // Find all checked checkboxes in the table
20     var checkedCheckboxes = $('tbody input:checked');
21
22     // Remove the corresponding rows from the table
23     checkedCheckboxes.closest('tr').remove();
24 }
25
26 // Attach click event handlers to the buttons
27 $('add-row').click(function() {
28     addCustomerDetails();
29 });
30
31 $('delete-row').click(function() {
32     deleteCustomerDetails();
33 });
34
```

Practice program: JQuery Events Log - C

Debugging

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

spinach.png

```
1 $(document).ready(function () {
2     $('.center img').on("click", { text: 'Image of Spinach' }, handleEvent1);
3     $('h1').on("mouseover", { text: 'Spinach' }, handleEvent1);
4     $('.description').on("mouseenter", { text: 'Health Benefits' }, handleEvent2);
5 });
6
7 function handleEvent1(event) {
8     $("#log").append(event.type + ":" + event.data.text + "<br>");
9 }
10
11 function handleEvent2(event) {
12     $("#log").append(event.type + ":" + event.data.text + "<br>");
13
14     var myStr = $(".description").text();
15     var len = myStr.length;
16     $("#msg").html("The length of the given text is : " + len);
17 }
18
```

Practice program: JQuery Events in Sign In Page Code Debugging

Description

Code Editor

Grading view

File List

Save All

Compile & Run

Evaluate

Full screen

Description

index.html

script.js

```
1 // script.js
2
3 // Append a <p> element when the User name field is changed
4 $("#uname").change(function () {
5     $("<p>You have changed the Username</p>").appendTo("form");
6 });
7
8 // Append a <p> element when the Password field is changed
9 $("#pwd").change(function () {
10     $("<p>You have changed the Password</p>").appendTo("form");
11 });
12
13 // Append a <p> element when the Sign In button is double-clicked
14 $("#login").dblclick(function () {
15     $("<p>You have double clicked on Sign In</p>").appendTo("form");
16 });
17
18 // Set background color on focus and focusout for the Username input field
19 $("#uname").focusin(function () {
20     $(this).css('background-color', 'green');
21 });
22
23 $("#uname").focusout(function () {
24     $(this).css('background-color', 'grey');
25 });
26
27 // Set background color on focus and focusout for the Password input field
28 $("#pwd").focusin(function () {
29     $(this).css('background-color', 'green');
30 });
31
32 $("#pwd").focusout(function () {
33     $(this).css('background-color', 'grey');
34 });
35
```