

1. Basic Calculator Code

.html

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

<head>
  <meta charset="utf-8">
  <title></title>
  <link rel="stylesheet" href="styles.css">
</head>

<body>

<table class="calculator" >
  <tr>
    <td colspan="3"> <input class="display-box" type="text" id="result" disabled /> </td>

    <!-- clearScreen() function clears all the values -->
    <td> <input type="button" value="C" onclick="clearScreen()" id="btn" /> </td>
  </tr>
  <tr>
    <!-- display() function displays the value of clicked button -->
    <td> <input type="button" value="1" onclick="display('1')" /> </td>
    <td> <input type="button" value="2" onclick="display('2')" /> </td>
    <td> <input type="button" value="3" onclick="display('3')" /> </td>
    <td> <input type="button" value="/" onclick="display('/')" /> </td>
  </tr>
  <tr>
    <td> <input type="button" value="4" onclick="display('4')" /> </td>
    <td> <input type="button" value="5" onclick="display('5')" /> </td>
    <td> <input type="button" value="6" onclick="display('6')" /> </td>
    <td> <input type="button" value="-" onclick="display('-)" /> </td>
  </tr>
  <tr>
    <td> <input type="button" value="7" onclick="display('7)" /> </td>
    <td> <input type="button" value="8" onclick="display('8)" /> </td>
    <td> <input type="button" value="9" onclick="display('9)" /> </td>
    <td> <input type="button" value="+" onclick="display('+" /> </td>
  </tr>
  <tr>
    <td> <input type="button" value="." onclick="display('.')" /> </td>
    <td> <input type="button" value="0" onclick="display('0)" /> </td>

    <!-- calculate() function evaluates the mathematical expression -->
    <td> <input type="button" value="=" onclick="calculate()" id="btn" /> </td>
    <td> <input type="button" value="*" onclick="display('*)" /> </td>
  </tr>
</table>
```

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

```
</body>
```

```
</html>
```

Styles.css

```
.calculator {  
  padding: 10px;  
  border-radius: 1em;  
  height: 380px;  
  width: 400px;  
  margin: auto;  
  background-color: lightgrey;  
  box-shadow: rgba(0, 0, 0, 0.19) 0px 10px 20px, rgba(0, 0, 0, 0.23) 0px 6px 6px;  
}
```

```
.display-box {  
  font-family: 'Orbitron', sans-serif;  
  background-color: lightgrey;  
  border: solid black 0.5px;  
  color: black;  
  border-radius: 5px;  
  width: 100%;  
  height: 65%;  
}
```

```
#btn {  
  background-color: #fb0066;  
}
```

```
input[type=button] {  
  font-family: 'Orbitron', sans-serif;  
  background-color: black;  
  color: white;  
  border: solid black 0.5px;  
  width: 100%;  
  border-radius: 5px;  
  height: 70%;  
  outline: none;  
}
```

```
input:active[type=button] {  
  background: #e5e5e5;  
  -webkit-box-shadow: inset 0px 0px 5px #c1c1c1;  
  -moz-box-shadow: inset 0px 0px 5px #c1c1c1;  
  box-shadow: inset 0px 0px 5px #c1c1c1;  
}
```

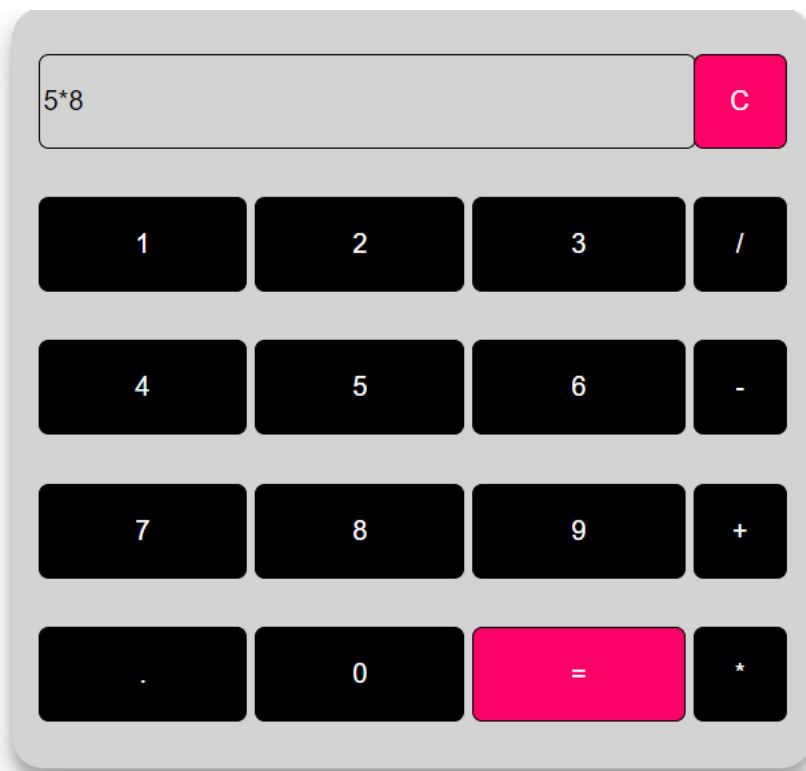
Scripts.js

```
// This function clears all the values
function clearScreen() {
    document.getElementById("result").value = "";
}

// This function displays the values
function display(value) {
    document.getElementById("result").value += value;
}

// This function evaluates the expression and returns the result
function calculate() {
    var p = document.getElementById("result").value;
    var q = eval(p);
    document.getElementById("result").value = q;
}
```

Output:



2. SURVEY FORM HTML CODE

Index.html

```
<!DOCTYPE html>

<html>

<head>

  <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

  <div class="container">

    <h2>Survey Form</h2>

    <form id="surveyForm">

      <div class="form-group">

        <label for="firstName">First Name</label>

        <input type="text" id="firstName" required>

      </div>

      <div class="form-group">

        <label for="lastName">Last Name</label>

        <input type="text" id="lastName" required>

      </div>

      <div class="form-group">

        <label for="dob">Date of Birth</label>

        <input type="date" id="dob" required>

      </div>

      <div class="form-group">

        <label for="country">Country</label>

        <select id="country" required>

          <option value="india">INDIA</option>

          <option value="usa">USA</option>

          <option value="canada">Canada</option>

          <option value="uk">UK</option>

          <!-- Add more country options here -->

        </select>

      </div>

    </form>

  </div>

</body>

</html>
```

</div>

<div class="form-group">

<label>Gender</label>

<input type="checkbox" id="male" name="gender" value="Male">

<label for="male">Male</label>

<input type="checkbox" id="female" name="gender" value="Female">

<label for="female">Female</label>

</div>

<div class="form-group">

<label for="profession">Profession</label>

<input type="text" id="profession" required>

</div>

<div class="form-group">

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

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

</div>

<div class="form-group">

<label for="mobile">Mobile Number</label>

<input type="tel" id="mobile" required>

</div>

<div class="buttons">

<button type="button" id="submitBtn" onclick="submitForm()">Submit</button>

<button type="button" id="resetBtn" onclick="resetForm()">Reset</button>

</div>

</form>

</div>

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

</body>

</html>

Style.css

```
body {  
    font-family: Arial, sans-serif;  
    background-color: #f4f4f4;  
    margin: 0;  
    padding: 0;  
}  
  
.container {  
    background-color: #fff;  
    max-width: 600px;  
    margin: 20px auto;  
    padding: 20px;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
.form-group {  
    margin-bottom: 15px;  
}  
  
label {  
    display: block;  
    font-weight: bold;  
}  
  
input[type="text"],  
input[type="date"],  
select,  
input[type="email"],  
input[type="tel"] {
```

```
width: 100%;  
padding: 10px;  
border: 1px solid #ccc;  
border-radius: 4px;  
box-shadow: none;  
font-size: 16px;  
}
```

```
input[type="checkbox"] {  
    margin-right: 10px;  
}
```

```
.buttons {  
    margin-top: 20px;  
}
```

```
button {  
    background-color: #007BFF;  
    color: #fff;  
    padding: 10px 20px;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;  
    font-size: 16px;  
}
```

```
.popup {  
    display: none;  
    position: fixed;  
    top: 0;  
    left: 0;  
    width: 100%;
```

```
height: 100%;  
background-color: rgba(0, 0, 0, 0.7);  
z-index: 1;  
}
```

```
.popup-content {  
  background-color: #fff;  
  max-width: 400px;  
  margin: 10% auto;  
  padding: 20px;  
  border: 1px solid #ccc;  
  border-radius: 5px;  
}
```

```
.close {  
  float: right;  
  font-size: 24px;  
  font-weight: bold;  
  cursor: pointer;  
}
```

```
#popupData {  
  margin-top: 10px;  
}
```

Script.js

```
function submitForm() {  
  const form = document.getElementById("surveyForm");  
  if (form.checkValidity()) {  
    const firstName = document.getElementById("firstName").value;  
    const lastName = document.getElementById("lastName").value;
```



```
const dob = document.getElementById("dob").value;
const country = document.getElementById("country").value;
const genderElements = document.querySelectorAll('input[name="gender"]:checked');
const profession = document.getElementById("profession").value;
const email = document.getElementById("email").value;
const mobile = document.getElementById("mobile").value;
```

```
const gender = Array.from(genderElements).map(el => el.value).join(", ");
```

```
const popupData = `
    <p><strong>First Name:</strong> ${firstName}</p>
    <p><strong>Last Name:</strong> ${lastName}</p>
    <p><strong>Date of Birth:</strong> ${dob}</p>
    <p><strong>Country:</strong> ${country}</p>
    <p><strong>Gender:</strong> ${gender}</p>
    <p><strong>Profession:</strong> ${profession}</p>
    <p><strong>Email:</strong> ${email}</p>
    <p><strong>Mobile Number:</strong> ${mobile}</p>
`;
```

```
document.getElementById("popupData").innerHTML = popupData;
document.getElementById("popup").style.display = "block";
```

```
    form.reset();
} else {
    alert("Please fill in all required fields.");
}
}
```

```
function resetForm() {
    document.getElementById("surveyForm").reset();
}
```

```
function closePopup() {  
    document.getElementById("popup").style.display = "none";  
}
```

```
// Close the popup when clicking outside the content  
window.onclick = function(event) {  
    if (event.target == document.getElementById("popup")) {  
        closePopup();  
    }  
}
```

Output:

This page says


Please fill in all required fields.


OK

Survey Form

First Name

Last Name

Date of Birth 

Country 

Gender ☒ Male ☐ Female

Profession

Email

Mobile Number

