

8. Verificador de Palíndromos

```
<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Verificador de Palíndromos</title>
  <style>
    input, button {
      padding: 10px;
      margin: 5px;
    }
    #result {
      font-size: 1.2em;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h1>Verificador de Palíndromos</h1>
  <input type="text" id="word" placeholder="Escribe una palabra o
frase"/>
  <button onclick="checkPalindrome()">Verificar</button>
  <p id="result"></p>

  <script>
    function checkPalindrome() {
      const input =
document.getElementById("word").value.toLowerCase().replace(/[^a-z0-9]/g,
"" );
      const reversedInput = input.split("").reverse().join("");

      const resultElement = document.getElementById("result");
      if (input === reversedInput) {
        resultElement.textContent = "¡Es un palíndromo!";
        resultElement.style.color = "green";
      } else {
        resultElement.textContent = "No es un palíndromo.";
        resultElement.style.color = "red";
      }
    }
  </script>
</body>
</html>
```

9. Tareas Pendientes (To-Do List)

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

```

<title>Lista de Tareas Pendientes</title>
<style>
  input, button {
    padding: 10px;
    margin: 5px;
  }
  ul {
    list-style-type: none;
    padding: 0;
  }
  li {
    padding: 8px;
    background-color: #f4f4f4;
    margin: 5px 0;
    display: flex;
    justify-content: space-between;
    align-items: center;
  }
  .completed {
    text-decoration: line-through;
  }
</style>
</head>
<body>
  <h1>Lista de Tareas Pendientes</h1>
  <input type="text" id="taskInput" placeholder="Nueva tarea"/>
  <button onclick="addTask()">Agregar Tarea</button>
  <ul id="taskList"></ul>

  <script>
    function addTask() {
      const taskInput = document.getElementById("taskInput");
      const taskText = taskInput.value.trim();

      if (taskText) {
        const taskList = document.getElementById("taskList");

        // Crear un nuevo elemento de lista
        const li = document.createElement("li");
        li.innerHTML = `${taskText} <button
onclick="removeTask(this)">Eliminar</button>`;

        // Agregar un evento para marcar la tarea como completada
        li.addEventListener('click', function() {
          li.classList.toggle('completed');
        });

        // Agregar la tarea a la lista
        taskList.appendChild(li);
        taskInput.value = "";
      }
    }

    function removeTask(button) {
      const li = button.parentElement;
      li.remove();
    }
  </script>

```

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

10. Encuesta de Satisfacción

```
<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Encuesta de Satisfacción</title>
  <style>
    .star {
      font-size: 30px;
      cursor: pointer;
      color: gray;
    }
    .selected {
      color: gold;
    }
  </style>
</head>
<body>
  <h1>Encuesta de Satisfacción</h1>
  <p>Por favor, califica nuestro servicio:</p>
  <div id="stars">
    <span class="star" onclick="rate(1)">★</span>
    <span class="star" onclick="rate(2)">★</span>
    <span class="star" onclick="rate(3)">★</span>
    <span class="star" onclick="rate(4)">★</span>
    <span class="star" onclick="rate(5)">★</span>
  </div>
  <p id="rating">Calificación: 0</p>

  <script>
    let rating = 0;

    function rate(star) {
      rating = star;
      const stars = document.querySelectorAll('.star');
      stars.forEach((starElement, index) => {
        if (index < star) {
          starElement.classList.add('selected');
        } else {
          starElement.classList.remove('selected');
        }
      });
      document.getElementById('rating').textContent =
'Calificación: ' + rating;
    }
  </script>
</body>
</html>
```

11. Calculadora de IMC (Índice de Masa Corporal)

```
<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Calculadora de IMC</title>
  <style>
    input, button {
      padding: 10px;
      margin: 5px;
    }
  </style>
</head>
<body>
  <h1>Calculadora de IMC</h1>
  <label for="weight">Peso (kg):</label>
  <input type="number" id="weight" placeholder="Tu peso en kg">
  <br>
  <label for="height">Altura (m):</label>
  <input type="number" step="0.01" id="height" placeholder="Tu altura
en metros">
  <br>
  <button onclick="calculateBMI()">Calcular IMC</button>
  <p id="bmiResult"></p>

  <script>
    function calculateBMI() {
      const weight =
parseFloat(document.getElementById("weight").value);
      const height =
parseFloat(document.getElementById("height").value);

      if (isNaN(weight) || isNaN(height) || weight <= 0 || height
<= 0) {
        document.getElementById("bmiResult").textContent = "Por
favor, ingresa valores válidos.";
        return;
      }

      const bmi = weight / (height * height);
      document.getElementById("bmiResult").textContent = "Tu IMC
es: " + bmi.toFixed(2);
    }
  </script>
</body>
</html>
```

12. Generador de Números Aleatorios

```
<!DOCTYPE html>
<html lang="es">
<head>
```

```

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Generador de Números Aleatorios</title>
    <style>
        input, button {
            padding: 10px;
            margin: 5px;
        }
    </style>
</head>
<body>
    <h1>Generador de Números Aleatorios</h1>
    <label for="min">Mínimo:</label>
    <input type="number" id="min" placeholder="Valor mínimo">
    <br>
    <label for="max">Máximo:</label>
    <input type="number" id="max" placeholder="Valor máximo">
    <br>
    <button onclick="generateRandomNumber()">Generar Número
Aleatorio</button>
    <p id="randomNumber"></p>

    <script>
        function generateRandomNumber() {
            const min = parseInt(document.getElementById("min").value);
            const max = parseInt(document.getElementById("max").value);

            if (isNaN(min) || isNaN(max) || min >= max) {
                document.getElementById("randomNumber").textContent =
"Por favor, ingresa un rango válido.";
                return;
            }

            const randomNumber = Math.floor(Math.random() * (max - min +
1)) + min;
            document.getElementById("randomNumber").textContent = "Número
aleatorio: " + randomNumber;
        }
    </script>
</body>
</html>

```

13. Validador de Email

```

<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Validador de Email</title>
    <style>
        input, button {
            padding: 10px;
            margin: 5px;

```

```

        }
        #result {
            font-size: 1.2em;
        }
    </style>
</head>
<body>
    <h1>Validador de Email</h1>
    <label for="email">Introduce tu correo electrónico:</label>
    <input type="email" id="email" placeholder="Tu correo electrónico">
    <button onclick="validateEmail()">Validar</button>
    <p id="result"></p>

    <script>
        function validateEmail() {
            const email = document.getElementById("email").value;
            const regex = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;

            const result = document.getElementById("result");

            if (regex.test(email)) {
                result.textContent = "Correo electrónico válido.";
                result.style.color = "green";
            } else {
                result.textContent = "Correo electrónico no válido.";
                result.style.color = "red";
            }
        }
    </script>
</body>
</html>

```

14. Conversor de Temperatura (Celsius a Fahrenheit y viceversa)

```

<!DOCTYPE html>
<html lang="es">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Conversor de Temperatura</title>
    <style>
        input, button {
            padding: 10px;
            margin: 5px;
        }
    </style>
</head>
<body>
    <h1>Conversor de Temperatura</h1>

    <label for="celsius">Celsius:</label>
    <input type="number" id="celsius" placeholder="Temperatura en Celsius">

```

```
<button onclick="convertToFahrenheit()">Convertir a
Fahrenheit</button>

<br><br>

<label for="fahrenheit">Fahrenheit:</label>
<input type="number" id="fahrenheit" placeholder="Temperatura en
Fahrenheit">
<button onclick="convertToCelsius()">Convertir a Celsius</button>

<script>
    function convertToFahrenheit() {
        const celsius = document.getElementById("celsius").value;
        if (celsius !== "") {
            const fahrenheit = (celsius * 9/5) + 32;
            document.getElementById("fahrenheit").value =
fahrenheit.toFixed(2);
        }
    }

    function convertToCelsius() {
        const fahrenheit =
document.getElementById("fahrenheit").value;
        if (fahrenheit !== "") {
            const celsius = (fahrenheit - 32) * 5/9;
            document.getElementById("celsius").value =
celsius.toFixed(2);
        }
    }
</script>
</body>
</html>
```