JS TASK Day-1

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1 WAP to display an alert box with the message "Welcome to Techpile!".

```html
<html>
 <body>
   <script>
   alert("Welcome To Techpile!")
   </script>
</body>
</html>
```

2. WAP to ask for the user's name using prompt() and display "Hello, [name]!" in an alert.

```html
<html>
 <body>
   <script>
     var name = prompt(" Enter User's Name")
     alert(`Hello, ${name}!`)
   </script>
</body>
</html>
```

3. WAP to ask the user for two numbers using prompt(), add them, and show the sum in an alert.

```html
<html>
 <body>
   <script>
     var num1 = prompt("Enter First Number")
     var num2 = prompt("Enter Second Number")
     var sum = parseFloat(num1) + parseFloat(num2)
     alert("Addition of " +num1+"and"+num2+" is "+sum)
   </script>
</body>
</html>
```

4. WAP to use confirm() to ask "Do you like JavaScript?" and show an alert with the user's choice.

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

```
    <script>
      var num1 = prompt("Enter First Number")
      var num2 = prompt("Enter Second Number")
      var sum = parseFloat(num1) + parseFloat(num2)
      alert("Addition of " +num1+"and"+num2+" is "+sum)
    </script>
</body>
</html>
```

5. WAP to check if a user is eligible to vote using prompt() and display the result in an alert.

```
<html>
 <body>
   <script>
     var age =prompt("Please Enter Your Age")
     if (age >=18){
        alert("User is Eligible to vote ")
     }
     else{
        alert("User is not Eligible to vote")
     }

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

6. WAP to ask the user to enter a number using prompt() and check if it is even or odd.

```
<html>
 <body>
   <script>
     let num = prompt("Enter any number")
     if(num%2==0){
      alert("Number is Even")
     }
     else(
      alert("Number is Odd")
     )

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

7. WAP to ask the user to enter their birth year and calculate their age, then display it in an alert.

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

```
    <script>
      let year = prompt("Enter birth year")
      let age = 2025 - year
      alert(`You are ${age} years old`)
    </script>
</body>
</html>
```

 8. WAP to use confirm() to ask "Are you sure you want to delete this?" and display a message based on the response.

```
<html>
 <body>
   <script>
     let res = confirm("Are you sure you want to delete this?")
     if(res){
        alert("Content Deleted!!")
     }
     else{
        alert("Deletion cancelled!!")
     }
   </script>
</body>
</html>
```

9. WAP to ask the user their favorite programming language using prompt() and display it in an alert.

```
<html>
   <body>
     <script>
        let ask = prompt("Enter your favorite programming language")
        alert(`Your favorite programming language is ${ask} `)
     </script>
   </body>
</html>
```

 10. WAP to change the background color of a
with id="box" when a button is clicked.

```
<html>
   <body>
     <p id="box">My Name is Vivek Kumar Gaurav</p>
     <button onclick="demo()">Click for Magic</button>
     <button onclick="sml()">Click for Magic Again</button>
```

```
<script>
    function demo(){
        document.getElementById("box").style.backgroundColor="red"
        document.getElementById("box").style.color="white"
        document.getElementById("box").style.fontSize="50px"
    }

    function sml(){
        document.getElementById("box").style.fontSize="17px"
    }
</script>
</body>
</html>
```

11. WAP to change the font size of a
with id="text" when a button is clicked.

```
<html>
    <body>
        <p id="text">Font Size Changer</p>
        <button onclick="demo()">Click</button>

        <script>
            function demo(){
                document.getElementById("text").style.fontSize="60px"
            }
        </script>
    </body>
</html>
```

12. WAP to hide a
(id="content") when a button is clicked.

```
<html>
    <body>
        <h1 id="content">HI</h1>
        <button onclick="demo()">Click</button>

        <script>
            function demo(){
                document.getElementById("content").style.display="none"
            }
        </script>
    </body>
</html>
```

13. WAP to show a hidden
(id="content") when a button is clicked.

```html
<html>
  <body>
    <h1 id="content" style="display: none;">Data hide or show </h1>
    <button onclick="demo()">Click</button>

    <script>
      function demo(){
        document.getElementById("content").style.display=""
      }
    </script>
  </body>
</html>
```

14. WAP to count the number of times a button is clicked and display the count inside a alert.

```html
<html>
  <body>

    <button id="btn">Click</button>
    <p id="count"></p>
    <script>
        let count = 0
        let button = document.getElementById("btn")
        let countDisplay = document.getElementById("count")
        button.addEventListener("click", function() {
          count++
          countDisplay.innerHTML = count
        })

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

15. WAP to change the text color of a
(id="paragraph") to red when clicked.

```html
<html>
  <body>
    <p id="paragraph"> Dakshesh Singh and Kung Kumar</p>
```

```html
    <button onclick="demo()">Click</button>
    <script>
        function  demo(){
            document.getElementById("paragraph").style.backgroundColor="red"
        }

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

16. WAP to find the factorial of a number using a function.

```html
<html>
  <body>
    <script>
      function factorial(n) {
         let res = 1;
         for (let i = 2; i <= n; i++) {
            res *= i;
         }
         return res;
      }

      let num = parseInt(prompt("Enter a number:")); // Convert input to number

      if (!isNaN(num) && num >= 0) {
         alert("Factorial of " + num + " is " + factorial(num));
      } else {
         alert("Please enter a valid non-negative number.");
      }
    </script>
  </body>
</html>
```

17. WAP to change the button text to "Clicked!" when it is pressed.

```html
<html>
  <body>
    <p id="text">I am Vivek </p>
    <button onclick="demo()">click</button>
    <script>
      function demo(){
         document.getElementById("text").innerHTML="Hi, Sir"
      }
```

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

18. WAP to get the value from an input field (id="name") and display it inside a (id="output") when a button is clicked.

```
<html>
    <body>
        <input type="text" id="name" placeholder="Enter value">
        <p id="output"></p>
        <button onclick="demo()">click</button>
        <script>
            function demo(){
                var inputValue = document.getElementById("name").value
                document.getElementById("output").innerHTML = inputValue
            }
        </script>
    </body>
</html>
```

19. WAP to check if a user has entered any text in an input field (id="name"). If empty, show an alert saying "Please enter your name" and set border red of input field.

```
<html>
    <body>
        <input type="text"  id="name" placeholder="Enter name">
        <button onclick="demo()">click</button>

        <script>
            function demo(){
                var inputValue = document.getElementById("name").value

                if (!inputValue)
            {
                document.getElementById("name").style.border="2px solid red"
                alert("Please enter your name")
            }
            }
        </script>
```

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

20. WAP to take two numbers from two input fields (id="num1" and id="num2") and display their sum inside a alert box when a button is clicked.

```html
<html>
   <body>
      <input type="text" id="inputValue1" placeholder="Enter 1 no">
      <input type="text" id="inputValue2" placeholder="Enter 2 no">
      <button onclick="demo()">click</button>

      <script>
         function demo(){
            let inputValue1 = document.getElementById("inputValue1").value
            let inputValue2 = document.getElementById("inputValue2").value
            let sum = parseInt(inputValue1)+parseInt(inputValue2)
            alert(`Sum of ${inputValue1} and ${inputValue2} is ${sum} `)
         }
      </script>
   </body>
</html>
```