

Subject code & Name	:	CSE304 & Full Stack Development	Practical	:	2	Academic Year	:	2024-25
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Task - 2

Aim

Create a simple weather application that displays a hardcoded temperature for a given city. This simple weather application demonstrates basic HTML structure for user input, CSS styling for layout and appearance, and JavaScript functionality to handle user interactions and display dynamic content.

Code

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Show Weather</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Weather App</h1>
    <div class="input-group">
      <input type="text" id="name-input" placeholder="Enter City Here!">
    </div>
    <div class="input-group">
      <button id="show-btn">Show Weather</button>
    </div>
    <div id="name-display"></div>
  </div>

  <script src="script.js"></script>
</body>
</html>
```

style.css

```
body {
  font-family: Arial, sans-serif;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}
```

```
.container {  
  justify-content: center;  
  border-radius: 8px;  
  align-items: center;  
  padding: 100px;  
  background-color: aqua;  
}  
  
.input-group {  
  margin-bottom: 20px;  
  font-size: 14px;  
  border-radius: 4px;  
}  
  
.input-group input[type="text"] {  
  padding: 10px;  
  font-size: 16px;  
  border: 1px solid #ccc;  
  border-radius: 5px 0 0 5px;  
  outline: none;  
  width: 300px;  
}  
  
.input-group button {  
  padding: 10px 20px;  
  font-size: 16px;  
  background-color: #007bff;  
  color: #fff;  
  border: 1px solid #007bff;  
  border-radius: 0 5px 5px 0;  
  cursor: pointer;  
  transition: background-color 0.3s ease;  
}  
  
.input-group button:hover {  
  background-color: #0056b3;  
}  
  
#name-display {  
  font-size: 18px;  
  color: #333;  
}
```

script.js

```
document.addEventListener('DOMContentLoaded', function() {
  const nameInput = document.getElementById('name-input');
  const showBtn = document.getElementById('show-btn');
  const nameDisplay = document.getElementById('name-display');

  const cityWeather = {
    'ahmedabad': { name: 'Ahmedabad', weather: 30 },
    'vadodara': { name: 'Vadodara', weather: 34 },
    'mumbai': { name: 'Mumbai', weather: 28 }
  };

  showBtn.addEventListener('click', () => {
    const enteredCity = nameInput.value.trim().toLowerCase();

    if (enteredCity === "") {
      // nameDisplay.textContent = 'Please enter a city name';
      alert('Please enter a city name');
    } else if (cityWeather.hasOwnProperty(enteredCity)) {
      const city = cityWeather[enteredCity];
      nameDisplay.textContent = `Weather of ${city.name} is ${city.weather}`;
    } else {
      nameDisplay.textContent = 'Weather information not available for this city';
    }
  });
});
```

Output



1.1 weather app

Signature :