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**Div:** F

**Batch:** F3

## **ASSIGNMENT 2**

**CODE:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Travel World Dashboard</title>
  <style>
    body { font-family: Arial, sans-serif; background-color: #f0f2f5; padding: 20px;
  }
  .dashboard {
    max-width: 400px;
    margin: 0 auto;
    background: white;
    padding: 20px;
    border-radius: 10px;
    box-shadow: 0 4px 6px rgba(0,0,0,0.1);
  }
  .box { margin-bottom: 20px; padding-bottom: 10px; border-bottom: 1px solid
#eee; font-size: 1.1em; }
  label { display: block; font-weight: bold; margin-bottom: 5px; }
  select, textarea { width: 100%; padding: 8px; border: 1px solid #ccc; border-
radius: 4px; }
  textarea { height: 100px; }
  #weather-info { color: #007bff; font-size: 1.1em; margin-top: 10px; }
```

```
</style>
</head>
<body>

<div class="dashboard">
  <h2>Travel World Dashboard</h2>

  <div class="box">
    <label for="tempUnit">Temperature Unit:</label>
    <select id="tempUnit">
      <option value="Celsius">Celsius (°C)</option>
      <option value="Fahrenheit">Fahrenheit (°F)</option>
    </select>
  </div>

  <div class="box">
    <label for="tripNotes">Quick Trip Notes:</label>
    <textarea id="tripNotes" placeholder="Write your itinerary here..."></textarea>
  </div>

  <div class="box">
    <label>Current Status:</label>
    <div id="weather-info">Loading weather data...</div>
  </div>
</div>

<script>
// Elements
var tempSelect = document.getElementById('tempUnit');
var notesArea = document.getElementById('tripNotes');
var weatherDisplay = document.getElementById('weather-info');

// Save preference when user changes the dropdown
tempSelect.addEventListener('change', function() {
```

```

localStorage.setItem('tempUnit', tempSelect.value);
fetchWeather() // Refresh display
});

// Check if preference exists on page load
var savedUnit = localStorage.getItem('tempUnit');
if (savedUnit) {
    tempSelect.value = savedUnit;
}

// Save notes as user types
notesArea.addEventListener('input', function() {
    sessionStorage.setItem('tripNotes', notesArea.value);
});

// Pre-fill notes if they exist in current session
var savedNotes = sessionStorage.getItem('tripNotes');
if (savedNotes) {
    notesArea.value = savedNotes;
}

function fetchWeather() {
    var url = "https://api.open-
meteo.com/v1/forecast?latitude=22.6939&longitude=72.8616&current=tempera
ture_2m,wind_speed_10m&timezone=auto";

    fetch(url)
        .then(function(response) {
            return response.json();
        })
        .then(function(data) {
            var temp = data.current.temperature_2m;
            var wind = data.current.wind_speed_10m;

```

```
var unit = tempSelect.value;

// Bonus Logic: Manual Conversion
if (unit === "Fahrenheit") {
    temp = (temp * 9/5) + 32;
    temp = temp.toFixed(1);
}

// Display the result using simple concatenation
var unitLabel = (unit === "Celsius") ? "°C" : "°F";

weatherDisplay.innerHTML = "Current Weather in Nadiad: <strong>" +
    temp + unitLabel + "</strong> with wind speeds of
<strong>" +
    wind + " km/h</strong>";
})

.catch(function(error) {
    weatherDisplay.innerText = "Error loading weather data.";
});

}

// Initial fetch on page load
fetchWeather();

</script>

</body>
</html>
```

OUTPUT:

# Travel World Dashboard

**Temperature Unit:**

Celsius (°C) ▾

---

**Quick Trip Notes:**

Write your itinerary here...

---

**Current Status:**

Current Weather in Nadiad: **23.1°C** with wind speeds of **5.1 km/h**

# Travel World Dashboard

## Temperature Unit:

Fahrenheit (°F)

## Quick Trip Notes:

Write your itinerary here...

## Current Status:

Current Weather in Nadiad: **73.6°F** with wind speeds of **5.1 km/h**

Before refresh write “Hello World”

After refresh

# Travel World Dashboard

## Temperature Unit:

Fahrenheit (°F)



## Quick Trip Notes:

Hello World

## Current Status:

Current Weather in Nadiad: **73.6°F** with wind speeds of **5.1 km/h**