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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**