PHASE 4 : ENVIRONMENTAL MONITERING

REAL -- TIME ENVIRONMENTAL MONITERING

HTML PROGRAMING

```
<!DOCTYPE html>
<html>
<head>
<title>Environmental Monitoring</title>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
<h1>Real-Time Environment data </h1>
<div class="data-container">
<div class="sensor">
<h2> Temperature</h2>
<p id="temperature">Loading...</p>
</div>
<div class="sensor">
<h2> humidity</h2>
<p id="humidity">loading...</p>
</div>
</div>
<script src="script.js"></script>
</body>
</html>
```

CSS PROGRAMMING

```
body {
    font-family: Arial, sans-serif;
    text-align: center;
}

.data-container {
    display: flex;
    justify-content: space-around;
}

.sensor {
    margin: 20px;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    background-color: #f5f5f5;
}

h1 {
    color: #333;
}

h2 {
```

```
        color: #666;
}

p {
        font-size: 20px;
}
```

JAVA SCRIPT PROGRAMMING

```
// Simulating real-time data with random values
function updateData() {
        const temperatureValue = (Math.random() * 30 + 10).toFixed(2);
        const humidityValue = (Math.random() * 50 + 30).toFixed(2);

        document.getElementById('temperature').textContent = temperatureValue + "°C";
        document.getElementById('humidity').textContent = humidityValue + "%";

        setTimeout(updateData, 5000); // Update every 5 seconds
}

updateData(); // Start updating data

// In a real-world scenario, replace the random values with actual data from IoT devices.
```