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AIM:

To create a **Weather Data Visualization Dashboard** using **JavaScript** and **Chart.js**.

PROCEDURE:

Step 1:

Setup HTML and Styles

HTML and CSS code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Inventory Management System</title>
<style>  body {  font-family:
Arial, sans-serif;  text-
align: center;  margin: 50px;
}
canvas {
margin: 20px auto;
}
</style>

</head>
<body>
<h1>Inventory Management System</h1>
<canvas id="pieChart" width="400" height="400"></canvas>
<canvas id="barChart" width="400" height="400"></canvas>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
<script src="uid.js"></script>
</body>
</html>
```

STEP 2: JavaScript File

JavaScript Code:

```
const inventoryData = {      labels: ['Electronics', 'Clothing', 'Home
Appliances', 'Books', 'Toys'],      datasets: [
  {      label: 'Items in
Stock',      data: [200, 150,
100, 80, 50],
backgroundColor: [
  '#FF6384',
  '#36A2EB',
  '#FFCE56',
  '#4BC0C0',
  //
  '#9966FF'
],
}
]
};

// Creating the Pie Chart
const ctxPie =
document.getElementById('pieChart').getContext('2d');      const
pieChart = new Chart(ctxPie, {      type: 'pie',      data:
inventoryData,      options: {      responsive: true,      title: {
display: true,
```

```

        text: 'Inventory Distribution'
    }
}
});

    // Creating the Bar Chart    const ctxBar =
document.getElementById('barChart').getContext('2d');    const
barChart = new Chart(ctxBar, {    type: 'bar',    data:
inventoryData,    options: {    responsive: true,    title: {
display: true,    text: 'Items in Stock by Category'
    },
scales: {
yAxes: [{
ticks: {
    beginAtZero: true
    }
}]
}
}
});

```

OUTPUTS:

Inventory Management System

