**­Quality Controller Dashboard Explanation**

This HTML code defines a simple web page for a Quality Controller Dashboard.

**1. Document Type Declaration (DOCTYPE):**

```html

<!DOCTYPE html>

```

This declaration specifies the HTML version being used, which is HTML5 in this case.

**2. HTML Structure:**

```html

<html lang="en">

```

The `<html>` tag represents the root of the HTML document. The `lang` attribute indicates that the document is written in English.

**3. Head Section**

**Title of the webpage**

<title>Quality Controller Dashboard</title>

**Link to an external stylesheet (styles.css) for styling**

<link rel="stylesheet" href="styles.css">

</head>

```

The `<head>` section contains metadata about the document, such as character set, viewport settings, and a link to an external stylesheet for styling.

**4. Body Section**

```html

<body>

**Header section with the title**

<header>

<h1>Quality Controller Dashboard</h1>

</header>

**Navigation menu**

<nav>

<a href="#">Home</a>

<a href="#">About</a>

<a href="#">Contact Us</a>

</nav>

**Dashboard container with sidebar and main content**

<div class="dashboard-container">

<!-- Sidebar section -->

<div class="sidebar">

<h2 style="color: rgb(20, 255, 94); text-align: center; ">Nohori Jobaida</h2>

<h2>Dashboard</h2>

<h2>Profile</h2>

</div>

**Main content section**

**Section for incoming data with a table**

<div class="section">

<h2>Incoming Data</h2>

<table>

<!-- Table header -->

<thead>

<tr>

<th>Date</th>

<th>Product</th>

<th>Quantity</th>

</tr>

</thead>

**Table body for incoming data**

<tbody id="incomingDataBody">

</tbody>

</table>

</div>

**Section for processed data with a table**

<div class="section">

<h2>Processed Data</h2>

<table>

<!-- Table header -->

<thead>

<tr>

<th>Date</th>

<th>Product</th>

<th>Quality Status</th>

</tr>

</thead>

**Table body for processed data**

<tbody id="processedDataBody">

</tbody>

</table>

</div>

</div>

</div>

**JavaScript section for populating tables with data**

<script>

// Dummy data for illustration

// ...

</script>

</body>

```

The `<body>` section contains the content of the webpage. It includes a header, navigation menu, a dashboard container with a sidebar and main content, and a script tag for JavaScript.

**5. JavaScript Section**

```html

<script>

// Dummy data for illustration

const incomingData = [

// ...

];

const processedData = [

// ...

];

function populateTable(tableBody, data) {

const body = document.getElementById(tableBody);

body.innerHTML = '';

data.forEach(item => {

const row = document.createElement('tr');

row.innerHTML = `<td>${item.date}</td><td>${item.product}</td><td>${item.quantity || item.qualityStatus}</td>`;

body.appendChild(row);

});

}

// Populating tables with dummy data

populateTable('incomingDataBody', incomingData);

populateTable('processedDataBody', processedData);

</script>

```

The `<script>` section contains JavaScript code. It defines dummy data for incoming and processed data, as well as a function (`populateTable`) to populate HTML tables dynamically. Finally, it calls the `populateTable` function to fill the tables with the dummy data.

**Methodology Connection:**

The term "Quality Controller Dashboard" suggests a methodology for monitoring and controlling the quality of data or products.

The navigation menu items ("Home," "About," "Contact Us") represent a structured approach to navigating the dashboard or providing additional information.

The use of JavaScript for dynamically populating tables demonstrates a methodology for displaying and managing data in a dynamic and interactive manner.