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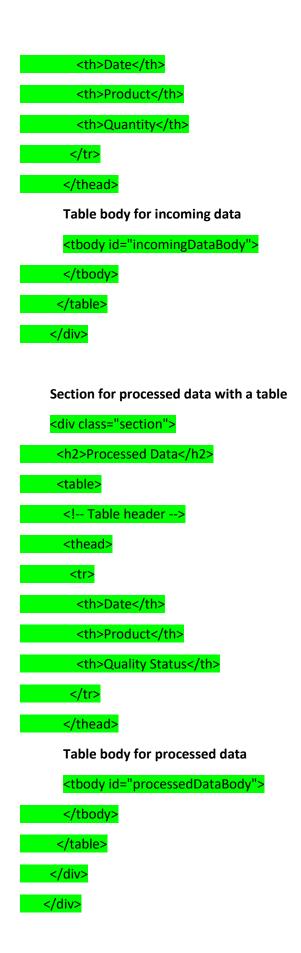
The `<head>` section contains metadata about the document, such as character set, viewport settings, and a link to an external stylesheet for styling.

**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.