**Code Explanation: Unit Converter - JavaScript Elements**

**JavaScript Code**

<script>

function convert() {

const km = parseFloat(document.getElementById('km').value);

if (isNaN(km)) {

document.getElementById('result').textContent = 'Please enter a valid number.';

return;

}

const miles = (km \* 0.621371).toFixed(2);

document.getElementById('result').textContent = `${km} km is ${miles} miles.`;

}

</script>

**1. <script> Tag**

* **<script>**: Defines a section for JavaScript code within the HTML document.
* Placed before the closing </body> tag to ensure the DOM is fully loaded before the script runs.

**2. function convert()**

* **function**: Declares a reusable block of code named convert.
* **convert()**: The function triggered when the "Convert to Miles" button is clicked.

**3. Retrieving the Input Value**

* **document.getElementById('km').value**: Accesses the value entered in the input field with the ID km.
* **parseFloat()**: Converts the input string into a floating-point number.
* **isNaN(km)**: Checks if the input is not a valid number. If true, it displays an error message and exits the function.

**4. Conversion Formula**

* **km \* 0.621371**: Multiplies the kilometer value by 0.621371 to convert it to miles.
* **.toFixed(2)**: Rounds the result to two decimal places.

**5. Displaying the Result**

* **document.getElementById('result').textContent**: Updates the content of the <p> element with the ID result to show the conversion result.

**Key Flow**

1. The user enters a value in kilometers in the input field.
2. The "Convert to Miles" button is clicked, triggering the convert function.
3. The input is validated to ensure it is a number.
4. The kilometers are converted to miles using the formula km \* 0.621371.
5. The result is displayed below the button in a readable format.