**Part 2: HTML, CSS, and JavaScript (30 points)**

**HTML (10 points): You are provided with the following incomplete HTML code snippet:**

Complete the code snippet by adding the following elements:

An image within the <body> tag with a relevant src attribute.

An ordered list (<ol>) with three items.

A hyperlink within a <p> tag that points to an external website.

A CSS styling rule using an inline style attribute to change the font color of the <h3> heading.

**HTML**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>My Website</title>**

**<link rel="stylesheet" href="Style.css">**

**</head>**

**<body>**

**<h1>Welcome to Aumar Gaming Page...</h1>**

**<h3 style="color: blue;">We would like to thank you for all of your work.</h3>**

**<p>Redirect to Aumar Gaming Page <a href="https://www.facebook.com/AumarGaming">Click Here!.</a></p>**

**<ul>**

**<li>Item 1</li>**

**<li>Item 2</li>**

**</ul>**

**<img src="example.jpeg" alt="Image" style="width: 300px; height: auto;" />**

**<ol>**

**<li>Item 1</li>**

**<li>Item 2</li>**

**<li>Item 3</li>**

**</ol>**

**</body>**

**</html>**

CSS (10 points): Create a CSS stylesheet that defines the following styles:

Change the background color of the body element to light blue.

Apply a padding of 20px to all headings (h1, h2, h3).

Set the font size of the <p> tag to 14px.

**ANSWER:**

/\* Style.css \*/

body {

background-color: lightblue;

}

h1, h2, h3 {

padding: 20px;

}

p {

font-size: 14px;

}

li {

list-style-type: disc;

}

**JavaScript (10 points):** Write a JavaScript function that takes a number as input and returns a string indicating whether the number is even or odd. Then, add a button to your HTML page that, when clicked, calls this function and displays the result (even or odd) in a paragraph element below the button.

**Answer:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Even/Odd Checker</title>

<script>

function checkEvenOrOdd(number) {

if (number % 2 === 0) {

return "Even";

} else {

return "Odd";

}

}

function displayResult() {

var inputNumber = document.getElementById("numberInput").value;

var result = checkEvenOrOdd(inputNumber);

document.getElementById("result").innerText = "The number is " + result + ".";

}

</script>

</head>

<body>

<label for="numberInput">Enter a number:</label>

<input type="number" id="numberInput" name="numberInput">

<button onclick="displayResult()">Check</button>

<p id="result"></p>

</body>

</html>