**Exercise 1: JavaScript Debugging**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Toggle Element</title>

<style>

.hidden {

display: none;

}

</style>

</head>

<body>

<button onclick="toggleElement()">Toggle Element</button>

<div id="target" class="hidden">This is the target element.</div>

<script>

function toggleElement() {

var element = document.getElementById("target");

element.classList.toggle("hidden");

}

</script>

</body>

</html>

* The code you provided seems to be correct for toggling the visibility of the element with ID "target." However, if you're experiencing issues, it could be due to various reasons such as conflicting scripts, incorrect placement of the script, or issues with the surrounding context where this code is placed.

**Exercise 2: CSS Troubleshooting**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Centered Container</title>

<style>

.container {

margin: auto;

width: 50%;

background-color: #f0f0f0;

padding: 20px;

}

</style>

</head>

<body>

<div class="container">

<h1>Centered Container</h1>

<p>This container should be centered on the page.</p>

</div>

</body>

</html>

* The <!DOCTYPE html> declaration should be followed by an opening html tag. It should look like this:

html

<!DOCTYPE html>

<html lang="en">

The <meta> tag for specifying the character set and viewport should be inside the <head> section, but it appears outside the <head> in your code.

**exercise 3: : Debugging JavaScript Functions**

function calculateSum(arr) { let sum = 0; for (let i = 0; i < arr.length; i++) { sum += arr[i]; } return sum; } const numbers = [1, 2, 3, 4, 5]; const result = calculateSum(numbers); console.log(result); // Should output 15

* this code appears is correct, and it should output the sum of the numbers correctly. The code you provided does not contain any syntax or logical errors. It should work as intended and output 15 when run.

**exercise 4: debugging CSS Styling Issues**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Styling Debugging Exercise</title>

<style>

.container {

width: 50%;

margin: 0 auto;

background-color: #f0f0f0;

padding: 20px;

}

.box {

width: 100px;

height: 100px;

background-color: #007bff;

color: #ffffff;

text-align: center;

line-height: 100px;

}

</style>

</head>

<body>

<div class="container">

<div class="box">Box 1</div>

<div class="box">Box 2</div>

<div class="box">Box 3</div>

</div>

</body>

</html

* The code you provided doesn't have any syntax errors and should display the three boxes as intended. The code you provided seems to be well-structured and should work as intended. However, if there is an error, it could be related to the specific issue you are experiencing or your expectations. The provided HTML and CSS will create a webpage with a container and three boxes, and each box should have a blue background with white text.