<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Even Squares Generator</title>

<script>

function generateEvenSquareList() {

// Step 1: Get input values from the form

let inputListStr = document.getElementById('inputList').value.trim();

let startIndex = parseInt(document.getElementById('startIndex').value.trim());

let endIndex = parseInt(document.getElementById('endIndex').value.trim());

// Convert the input list string to an array of integers

let inputList = inputListStr.substring(1, inputListStr.length - 1).split(',').map(num => parseInt(num));

// Step 2: Filter even numbers and map to their squares

let evenSquares = inputList.filter(num => num % 2 === 0).map(num => num \* num);

// Step 3: Slice the original list based on start and end indices

let slicedSublist = inputList.slice(startIndex, endIndex);

// Step 4: Display the results

document.getElementById('result1').textContent = "List of squares of even numbers: " + evenSquares.toString();

document.getElementById('result2').textContent = "Sliced sublist from index " + startIndex + " to " + endIndex + ": " + slicedSublist.toString();

}

</script>

</head>

<body>

<h2>Even Squares Generator</h2>

<form onsubmit="event.preventDefault(); generateEvenSquareList();">

<label for="inputList">Enter the list of integers:</label><br>

<input type="text" id="inputList" name="inputList" value="[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]"><br><br>

<label for="startIndex">Start index:</label><br>

<input type="number" id="startIndex" name="startIndex" value="2"><br><br>

<label for="endIndex">End index:</label><br>

<input type="number" id="endIndex" name="endIndex" value="7"><br><br>

<input type="submit" value="Generate">

</form><br>

<p id="result1"></p>

<p id="result2"></p>

</body>

</html>