**Return all the palindromes in an array anonymous function & IIFE**

**CODE:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

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

    <title>Document</title>

  </head>

  <body>

    <h1>Return all the palindromes in an array anonymous function & IIFE</h1>

    <script>

      // Define the array of strings

      const wordsArray = [

        "level",

        "hello",

        "radar",

        "world",

        "madam",

        "javascript",

      ];

      // IIFE to find and return palindromes

      const palindromes = (function (array) {

        // Anonymous function to check for palindromes

        const isPalindrome = (str) => {

          const reversedStr = str.split("").reverse().join("");

          return str === reversedStr;

        };

        // Filter the array to get palindromes

        return array.filter((word) => isPalindrome(word));

      })(wordsArray);

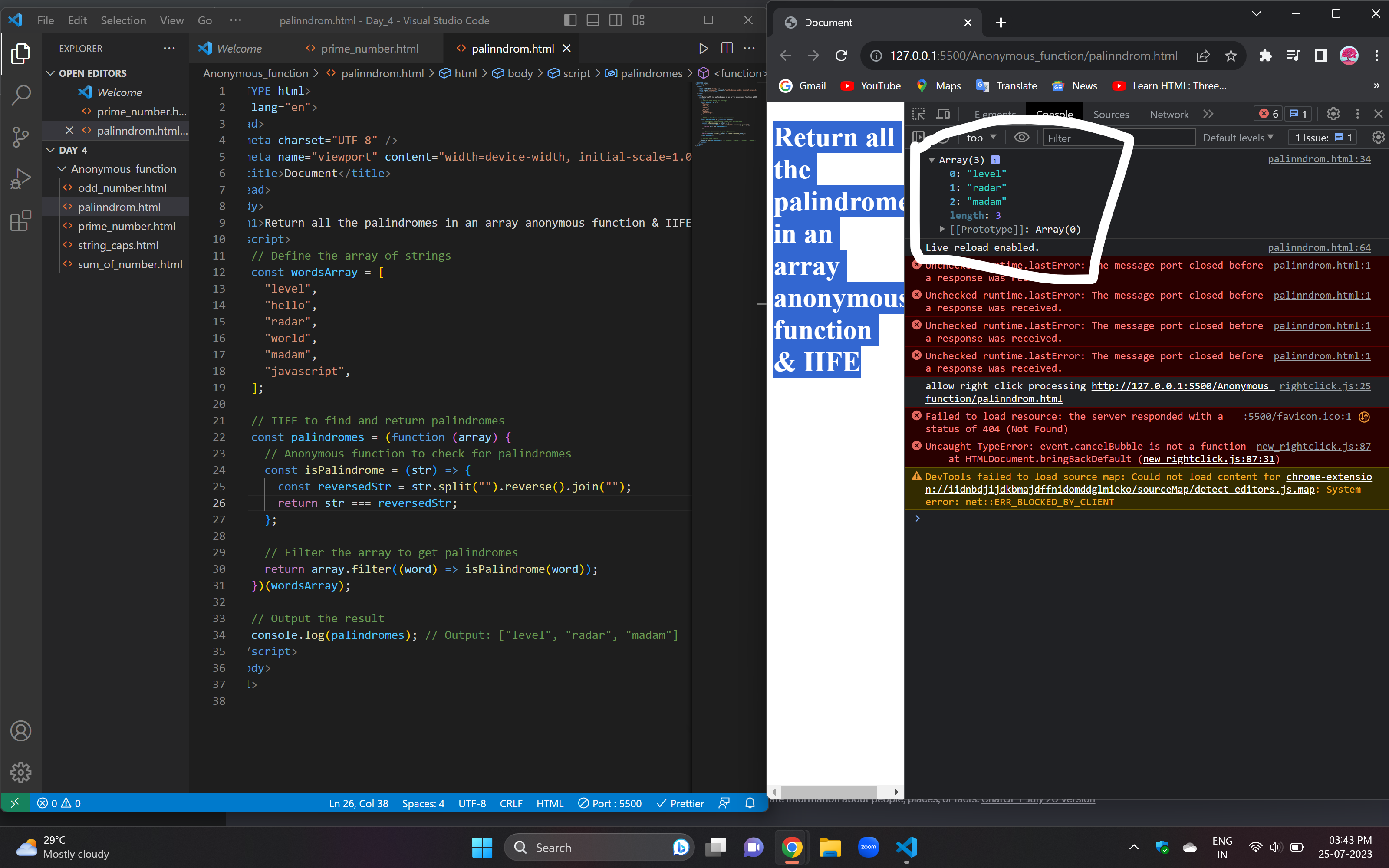
      // Output the result

      console.log(palindromes); // Output: ["level", "radar", "madam"]

    </script>

  </body>

</html>

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