**For the given JSON iterate over all for loops (for, for in, for of, forEach) java script**

**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>

      For the given JSON iterate over all for loops (for, for in, for of,

      forEach) java script

    </h1>

    <script>

      // Sample JSON string

      const jsonString = '{"name": "John", "age": 30, "city": "New York"}';

      // Parse JSON string into a JavaScript object

      const jsonObject = JSON.parse(jsonString);

      // Using for...in loop to iterate over properties

      console.log("Using for...in loop:");

      for (const key in jsonObject) {

        if (jsonObject.hasOwnProperty(key)) {

          console.log(`${key}: ${jsonObject[key]}`);

        }

      }

      // Using for...of loop to iterate over property values (Not applicable to objects, used with arrays or iterables)

      console.log("\nUsing for...of loop:");

      try {

        for (const value of jsonObject) {

          console.log(value); // This will throw an error because for...of loop is not applicable to objects.

        }

      } catch (error) {

        console.log("Error:", error.message);

      }

      // Using forEach loop to iterate over property values (Not applicable to objects, used with arrays or iterables)

      console.log("\nUsing forEach loop:");

      try {

        Object.values(jsonObject).forEach((value) => {

          console.log(value); // This will throw an error because forEach loop is not applicable to objects.

        });

      } catch (error) {

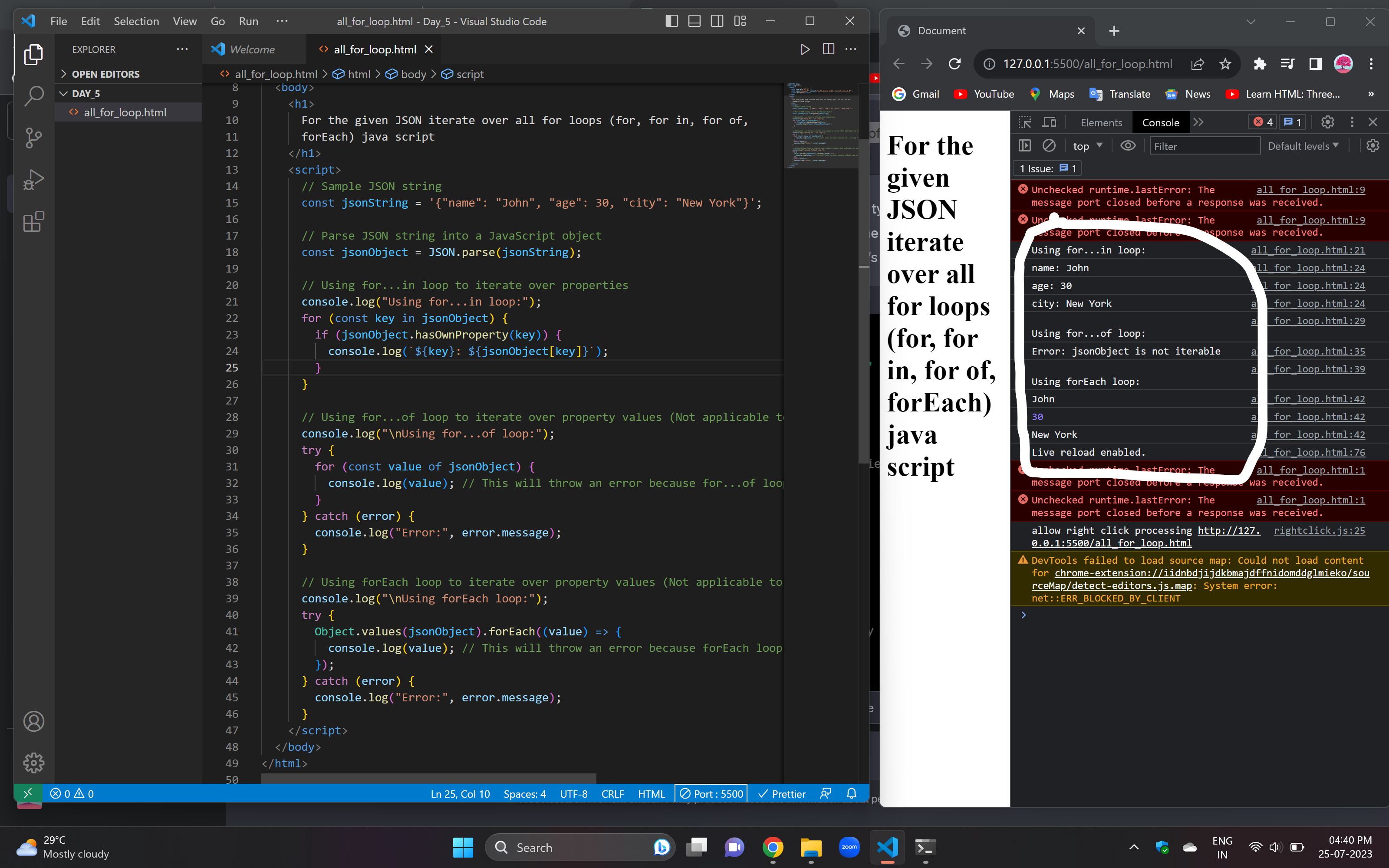
        console.log("Error:", error.message);

      }

    </script>

  </body>

</html>

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