**Phase-4 Practice Project: Assisted Practice -**

**3.IIFE callback and closure in Javascript:**

**Source Code:**

**iifecallclosure.html:**

<html>

    <body>

        <h1>IIFE, Callbacks and Closure example</h1>

        <scriptsrc="iifecallclosure.js"></script>

    </body>

</html>

**iifecallclosure.js:**

// IIFE (Immediately Invoked Function Expression)

(function() {

    varmessage="IIFE function";

    console.log(message);

  })();

  // Callback function

  functionsayHello(callback) {

    varname="Callback function";

    callback(name);

  }

  // Closure

  functioncreateCounter() {

    varcount=0;

    functionincrement() {

      count++;

      console.log("closure function with counter "+count);

    }

    returnincrement;

  }

  // Example usage

  sayHello(function(name) {

    console.log(name+"!");

  });

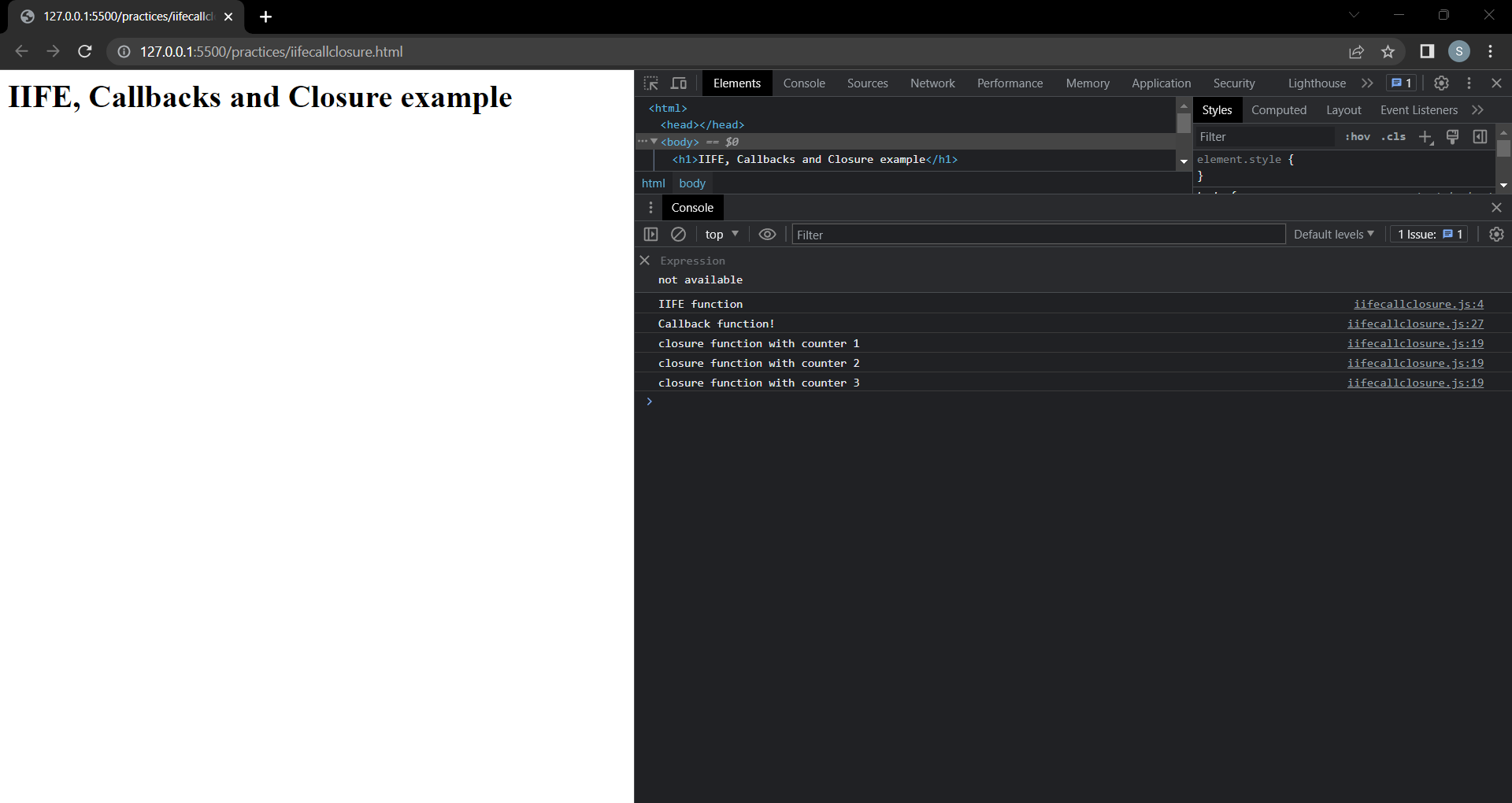
  varcounter=createCounter();

  counter();

  counter();

  counter();

**Output:**

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