**Javascript Lab Exercises**

1)Write a Javascript to multiply three numbers and print the result on the web page along with numbers.  
  
<!DOCTYPE html>

<html>

<head>

<title>Multiply Three Numbers</title>

</head>

<body>

<script>

let a = 5, b = 3, c = 2;

let result = a \* b \* c;

document.write(`The numbers are ${a}, ${b}, and ${c}.<br>`);

document.write(`Their multiplication result is: ${result}`);

</script>

</body>

A screenshot of a computer

AI-generated content may be incorrect.</html>

2)i)Write a function counter() to return number of negative, zeros, positive values in the given array. Use switch statement

<!DOCTYPE html>

<html>

<head>

  <title>Count Positive, Negative, Zero</title>

</head>

<body>

  <script>

    function counter(arr) {

      let neg = 0, zero = 0, pos = 0;

      for (let num of arr) {

        switch (true) {

          case (num < 0):

            neg++;

            break;

          case (num === 0):

            zero++;

            break;

          case (num > 0):

            pos++;

            break;

        }

      }

      document.write(`Array: [${arr}]<br>`);

      document.write(`Negatives: ${neg}<br>Zeros: ${zero}<br>Positives: ${pos}<br>`);

    }

    counter([-3, 0, 5, -2, 8, 0, 1]);

  </script>

</body>

</html>

A screenshot of a computer

AI-generated content may be incorrect.ii) Write a function to print first 20 Fibonacci numbers.

<!DOCTYPE html>

<html>

<head>

  <title>Fibonacci Series</title>

</head>

<body>

  <script>

    function fibonacci(n) {

      let a = 0, b = 1;

      document.write(`First ${n} Fibonacci numbers:<br>`);

      document.write(a + " " + b + " ");

      for (let i = 2; i < n; i++) {

        let next = a + b;

        document.write(next + " ");

        a = b;

        b = next;

      }

    }

    fibonacci(20);

  </script>

</body>

</html>

A screenshot of a computer

AI-generated content may be incorrect.  
iii)Write a function add\_digits() to add the digits of a number (Eg. 1234(i/p)->1+2+3+4=10(o/p))

<!DOCTYPE html>

<html>

<head>

  <title>Add Digits</title>

</head>

<body>

  <script>

    function add\_digits(num) {

      let sum = 0;

      let n = num;

      while (n > 0) {

        sum += n % 10;

        n = Math.floor(n / 10);

      }

      document.write(`The sum of digits of ${num} is ${sum}`);

    }

    add\_digits(1234);

  </script>

</body>

</html>

A screenshot of a computer

AI-generated content may be incorrect.