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| Name : [Elijah](mailto:johnvincentdallego082193@gmail.com) Gabriel G. Divosion | Section : BSIT 3C |
| Assignment No : 4 | Submission Date : May 4, 2024 |
| Assignment Title: Fibonacci Sequence | |

**Code :**

**HTML FILE**

<!DOCTYPE html>

<head>

<title>Fibonacci Sequence </title>

</head>

<body>

<center>

<p>Enter the number of terms in the Fibonacci sequence (less than 100):</p>

<input type="text" id="numterm" min="1" max="99">

<button onclick="generateFibonacci()">Generate Sequence</button>

<div id="result"></div>

</center>

</body>

</html>

**JS FILE**

<script>

function generateFibonacci() {

var numterm = parseInt(document.getElementById("numterm").value);

var result\_div = document.getElementById("result");

result\_div.innerHTML = ""; // Clear previous result

if (isNaN(numterm) || numterm <= 0 || numterm >= 100) {

result\_div.innerHTML = "Error: Please enter a valid integer greater than 0 and less than 100.";

} else {

var sequence = [];

var a = 0, b = 1;

for (var i = 0; i < numterm; i++) {

sequence.push(a);

var temp = a;

a = b;

b = temp + b;

}

result\_div.innerHTML = "Fibonacci sequence: " + sequence.join(", ");

}

}

</script>

**CSS FILE**

**SCREENSHOT**

*A screenshot of a computer

Description automatically generatedA screenshot of a computer

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