*Laboratory Report*

**INTERNET TECHNOLOGIES LAB.**

**CAP5004L**

**School of Engineering**

**Department of Computer Science and Engineering**

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| **Session/Semester** | 2020-21/ Odd Semester |
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| Sl No | Date | Aim of the Experiment | Signature/date |
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| **Experiment No-10** | **Develop and demonstrate an HTML file that includes JavaScript for the following problems:** | **Date:** |

**Aim of the Experiment:**

a. Input: A number n obtained using prompt

Output: The first n Fibonacci numbers

b. Input: A number n obtained using prompt

Output: A table of numbers from 1 to n and their squares using alert

**Source 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>

<h2>Q(a)</h2>

Fibonacci Sequence: <div style="display: inline-block;" id="fib"></div>

<h2>Q(b)</h2>

<table>

<thead>

<tr>

<th>Value</th>

<th>Sqrt</th>

</tr>

</thead>

<tbody></tbody>

</table>

<script>

// Q(a)

var fib\_val = document.getElementById('fib');

var num = parseInt(prompt("Enter a number (fibonacci series): "));

var i;

var fib = []; // Initialize array!

fib[0] = 0;

fib[1] = 1;

fib\_val.innerHTML += `${fib[0]}, ${fib[1]}`;

for (i = 2; i <= num; i++) {

fib[i] = fib[i - 2] + fib[i - 1];

fib\_val.innerHTML += `, ${fib[i]}`;

}

// Q(b)

var n = parseInt(prompt("Enter a number (number table): "));

var tbody = document.getElementsByTagName('tbody')[0],

data = data2 = '', j = 0;

for(i = 1; i <= n; i++) {

tbody.innerHTML += `

<tr>

<td>${i}</td>

<td>${i\*\*2}</td>

</tr>

`;

}

alert(tbody.innerText)

</script>

</body>

</html>

**Output**



