CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

CAVITE STATE UNIVERSITY
Imus Campus
Cavite Civic Center Palico IV, Imus, Cavite
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49
www.cvsu.edu.ph

CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.
It shall produce professional, skilled and morally upright individuals for global competitiveness.

DEPARTMENT OF COMPUTER STUDIES
ITEC 106 – IT ELECTIVE 2 (WEB SYSTEM AND TECHNOLOGIES 2)

Name : Buyo, Aubriana Chanelle M	Section : BSIT 3C
Activity No : 4	Submission Date : May 4, 2024
Assignment Title: Fibonacci Sequence	

Code :

```html
<!DOCTYPE html>
<html lang="en">
<head>
</head>
<body>
  <script>
    function fibonaccisequence() {

        var num = parseInt(prompt("Enter the number of terms in the Fibonacci sequence: "));

        if (isNaN(num)) {
          alert("Invalid Input, Please Input an Integer");
          return fibonaccisequence();
        } else if (num <= 0) {
          alert("Invalid Input, Please enter a number more than 0");
          return fibonaccisequence();
        }
        else if (num >= 100) {
          alert("Invalid Input, Please enter a number less than 100");
          return fibonaccisequence();
        }
    else{
        var fs = [];
        var num1 = 0, num2 = 1, nums;

        for (let i = 1; i <= num; i++) {
          fs.push(num1);
          nums = num1 + num2;
          num1 = num2;
          num2 = nums;
```

CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

CAVITE STATE UNIVERSITY
Imus Campus
Cavite Civic Center Palico IV, Imus, Cavite
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49
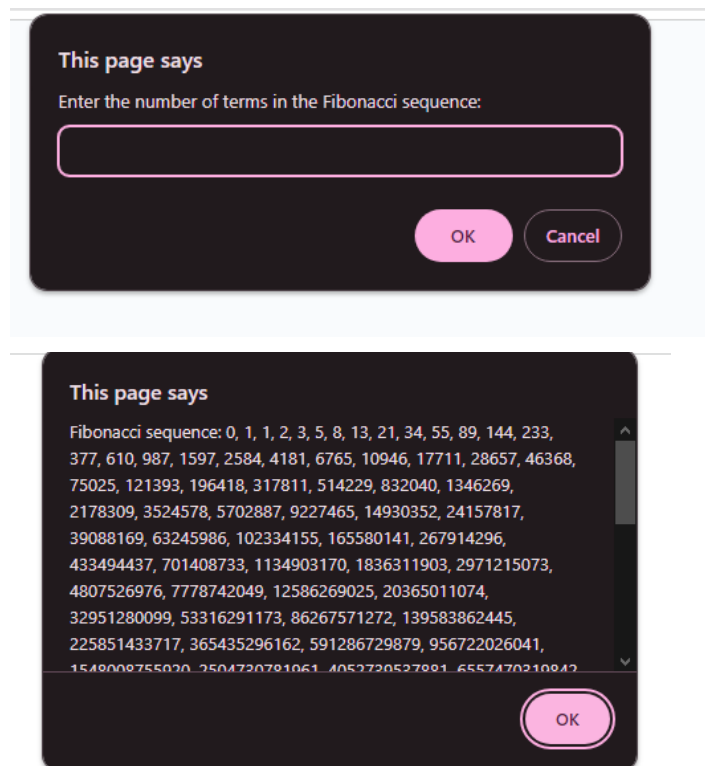www.cvsu.edu.ph

CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.
It shall produce professional, skilled and morally upright individuals for global competitiveness.

DEPARTMENT OF COMPUTER STUDIES
ITEC 106 – IT ELECTIVE 2 (WEB SYSTEM AND TECHNOLOGIES 2)

```
        }

        alert("Fibonacci sequence: " + fs.join(", "));
      }
    }

    fibonaccisequence();
  </script>

</body>
</html>
```

SCREENSHOT

This page says
Enter the number of terms in the Fibonacci sequence:

OK   Cancel

This page says
Fibonacci sequence: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765, 10946, 17711, 28657, 46368, 75025, 121393, 196418, 317811, 514229, 832040, 1346269, 2178309, 3524578, 5702887, 9227465, 14930352, 24157817, 39088169, 63245986, 102334155, 165580141, 267914296, 433494437, 701408733, 1134903170, 1836311903, 2971215073, 4807526976, 7778742049, 12586269025, 20365011074, 32951280099, 53316291173, 86267571272, 139583862445, 225851433717, 365435296162, 591286729879, 956722026041, 1548008755920, 2504730781961, 4052739537881, 6557470319842

OK

CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

CAVITE STATE UNIVERSITY
Imus Campus
Cavite Civic Center Palico IV, Imus, Cavite
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49
www.cvsu.edu.ph

CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

DEPARTMENT OF COMPUTER STUDIES
ITEC 106 – IT ELECTIVE 2 (WEB SYSTEM AND TECHNOLOGIES 2)

> **This page says**
> Invalid Input, Please enter a number less than 100
>
> OK

> **This page says**
> Invalid Input, Please enter a number more than 0
>
> OK

> **This page says**
> Invalid Input, Please Input an Integer
>
> OK

Dictionary:

- IsNaN - The isNaN() function determines whether a value is NaN, first converting the value to a number if necessary.
- function - is a block of reusable code that performs a specific task. Functions are fundamental building blocks in JavaScript programming, allowing you to encapsulate logic, organize code, and make it reusable
- Push - .push() is a method that is used to add one or more elements to the end of an array and returns the new length of the array.
- Alert - .alert() is a built-in function that displays a dialog box with a specified message and an OK button. It's commonly used for displaying alerts or notifications to users in web applications.
- Var - is a keyword used to declare variables. It was the original way to declare variables in JavaScript, but it has some quirks and drawbacks.