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**You:**
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**ChatGPT:**
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Fibonacci refers to a sequence of numbers in which each number is the sum of the two preceding ones. The sequence typically starts with 0 and 1.

Here's an example code in JavaScript to generate the Fibonacci sequence up to a specified number:

In this code, the fibonacci function takes an input n that represents the length of the Fibonacci sequence. It initializes an array sequence with the first two numbers of the sequence (0 and 1). Then, it uses a for loop to generate the remaining numbers by summing up the last two numbers in the sequence and pushing the result to the array. Finally, it returns the complete Fibonacci sequence.

In the example usage, n is set to 10, so the code will generate a Fibonacci sequence of length 10 and log it to the console.

The output for the example usage will be:

```
csharp Copy code [0, 1, 1, 2, 3, 5, 8, 13, 21, 34]
```

This represents the first 10 numbers in the Fibonacci sequence.

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