**Description:**

Suppose that the ***tempMain*** function is the ***main*** function of a C++ program. The Fibonacci sequence is 0, 1, 1, 2, 3, 5, 8, 13,…, where the first two terms are 0 and 1, and each term thereafter is the sum of the two preceding terms, that is, ***Fib(n) = Fib(n−1) + Fib(n−2)***.

Using this information, ưrite a program to calculate and store the Fibonacci sequence in a sequence of integers F, where F[i] is the ith Fibonacci number (0 is the 0th Fibonacci number). The length of the sequence will be entered by the user.

**Input:**

* Integer n, 20 >= n >= 1

**Output:**

* First n values of the Fibonacci sequence, separated by a space character.

**Example**:

| **Input** | **Result** |
| --- | --- |
| 6 | 0 1 1 2 3 5 |