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, write 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