CS probelm

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The Fibonacci sequence is the series of numbers where each number is the sum of the two preceding numbers.

For example 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610

Write a program in c++ that generates the sequence above

Note:
$$x_n = (x_n - 1) + (x_n - 2)$$