

```

/* The following code example is taken from the book
 * "The C++ Standard Library – A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
 *
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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include "alghostuff.hpp"
using namespace std;

int main()
{
    vector<int> coll = { 17, -3, 22, 13, 13, -9 };
    PRINT_ELEMENTS(coll, "coll: ");

    // convert into relative values
    adjacent_difference (coll.cbegin(), coll.cend(), // source
                        coll.begin());               // destination
    PRINT_ELEMENTS(coll, "relative: ");

    // convert into absolute values
    partial_sum (coll.cbegin(), coll.cend(),         // source
                coll.begin());                       // destination
    PRINT_ELEMENTS(coll, "absolute: ");
}

```