```cpp
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 */
#include <cstdlib>
#include <iostream>
using namespace std;

int main()
{
    double x, y;          // operands

    // print header string
    cout << "Multiplication of two floating point values" << endl;

    // read first operand
    cout << "first operand:  ";
    if (! (cin >> x)) {
        /* input error
         *  => error message and exit program with error status
         */
        cerr << "error while reading the first floating value"
             << endl;
        return EXIT_FAILURE;
    }

    // read second operand
    cout << "second operand: ";
    if (! (cin >> y)) {
        /* input error
         *  => error message and exit program with error status
         */
        cerr << "error while reading the second floating value"
             << endl;
        return EXIT_FAILURE;
    }

    // print operands and result
    cout << x << " times " << y << " equals " << x * y << endl;
}
```