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/* random3.cpp

This program generates a random number from a seed, which
is the system time in this program. This guarantee to give
us a different series of random number each time we run the
program.

Programmer: Xiaohong (Sophie) Wang
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*/

#include <cstdlib>
#include <ctime>
#include <iostream>

int main()
{
    using namespace std;

    // use system time to set the seed
    srand((unsigned)time(0));

    int random_integer = rand();

    cout << "The random integer is " << random_integer << endl;

    return 0;
}
```