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#include <algorithm>
#include <vector>
#include <list>
#include <iostream>
#include <ctime>

int main()
{
    using namespace std;
    srand(time(NULL));

    vector<int> numsInVec(5);
    generate(numsInVec.begin(), numsInVec.end(), rand);

    cout << "Vector's elements are: ";
    for (size_t index = 0; index < numsInVec.size (); ++index)
        cout << numsInVec [index] << " ";
    cout << endl;

    list<int> numsInList (5);
    generate_n (numsInList.begin (), 3, rand);

    cout << "List's elements are: ";
    for (auto element = numsInList.begin();
         element != numsInList.end();
         ++element)
        cout << *element << " ";

    return 0;
}
```