```cpp
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//LAB02 pt1
//time the exec times of selectionSort

#include <iostream>
#include <vector>
#include <cstdlib>


void selectionSort(std::vector<int>& v)
{
for (int i = 0; i < v.size() - 1; i++)
    for (int j = i+1; j < v.size() ; j++)
        if (v[i] > v[j])
            std:: swap(v[i], v[j]);



}


int main()
{


int n;
std::vector<int> exp;
std::cin>>n;
for(int i = 0;i < n;i++)
{ exp.push_back(rand()%1000000);
}
selectionSort(exp);

}
```