```
//Oscar Maldonado
//005487270
//LAB02pt3
//measure the exec time of insertion sort
#include <iostream>
#include <vector>
#include <cstdlib>
void insertion(std::vector<int>& v)
{
        int i, j, tmp;
 for (i=1; i<v.size(); i++)</pre>
     j=i;
     tmp=v[i];
     while (j>0 \&\& tmp<v[j-1])
           v[j]=v[j-1];
           j--;
     v[j]=tmp;
}
}
int main()
        int n;
        std::cin>>n;
        std::vector<int> temp;
        for(int i = 0;i < n;i++)</pre>
                 temp.push_back(rand()%1000000);
insertion(temp);
```