```cpp
#include <iostream>
#include <iterator>
#include <vector>
#include <algorithm>
#include <functional>

using namespace std;

template<typename T>
struct Sum {
  using value_type = T;

  T sum;
  Sum() : sum{} {}
  void operator()(T i) {
    sum += i;
  }
};

template<typename T>
void print(T val) {
  cout << val << " ";
};

int main() {

  vector<int> numbers{2, 4, 6, 7, 10, 12, 14, 16, 18, 20};

  std::function<void (int)> printFunction(&print<int>);

  for_each(begin(numbers), end(numbers), printFunction);
  cout << endl;

  for_each(begin(numbers), end(numbers), [](int& i){ i += 1;});

  Sum<int> sum = for_each(begin(numbers), end(numbers), Sum<int>());

  cout << sum.sum << "\n";

  return 0;
}
```