- Exercise

Let's test our knowledge of Call operator with this exercise.

Exercise

Implement the functionality in the example we saw in the previous lesson with the help of a lambda function.

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

class SumMe{
public:

  SumMe(): sum(0){};

  void operator()(int x){
    sum += x;
  }

  int getSum() const {
    return sum;
  }
private:
  int sum;
};

int main(){

  std::cout << std::endl;

  std::vector<int> intVec = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};

  // Use a lambda function here and class sumMe is no longer needed
  SumMe sumMe = std::for_each(intVec.begin(), intVec.end(), SumMe());
  std::cout << "sumMe.getSum(): " << sumMe.getSum() << std::endl;

  std::cout << std::endl;

}
```

In the next lesson, we'll look at the solution to this exercise.