

## - Exercise

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

WE'LL COVER THE FOLLOWING ^

- Exercise

## Exercise #

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

```
#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;
}
```



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