- Exercise

In this lesson, we'll solve an exercise to better understand the concept of std::bind and std::function.

WE'LL COVER THE FOLLOWING

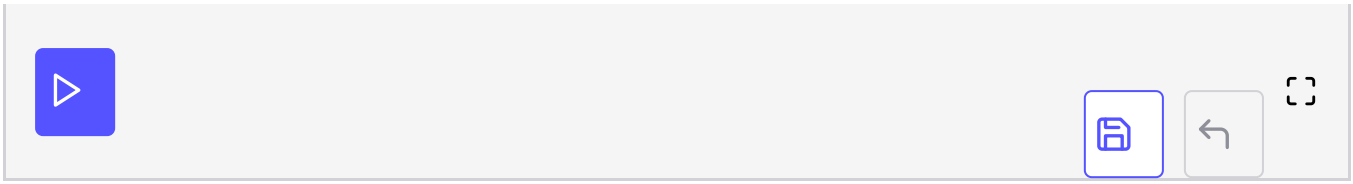
- Problem statement

Problem statement

Try to understand the binary predicate in the given code that we studied in the previous lesson.

- Replace it with a lambda function.

```
#include <algorithm>
#include <functional>
#include <iostream>
#include <numeric>
#include <vector>

int main(){

  std::cout << std::endl;

  std::vector<int> myVec(20);
  std::iota(myVec.begin(), myVec.end(), 0);

  std::cout << "myVec: ";
  for (auto i: myVec) std::cout << i << " ";
  std::cout << std::endl;

  std::function< bool(int)> myBindPred= std::bind( std::logical_and<bool>(),
                                        std::bind( std::greater <int>(), std::placeholders::_

  myVec.erase(std::remove_if(myVec.begin(), myVec.end(), myBindPred), myVec.end());

  std::cout << "myVec: ";
  for (auto i: myVec) std::cout << i << " ";

  // Write your code here for Lambda function

  std::cout << std::endl;

}
```



We’ll discuss the solution in the next lesson.