- Exercise

Let's solve an exercise in this lesson.

Problem Statement

Implement the metafunction to calculate the *factorial* of a number.

```cpp
#include <iostream>

template <int N>
struct Factorial{
  // Implement the functionality to run the code in the main
};

int main(){
  // Uncomment the given code after implementing the Factorial function

  // std::cout << Factorial<5>::value << std::endl;
}
```

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