- Exercise

In this exercise, you will explore constant expressions on your own.

WE'LL COVER THE FOLLOWING

Try It Out!

Task 1

Use the structure `MyDouble` in your program. How can you check that instances of `MyDouble` will be created at compile time?

Task 2

What will happen if `MyDouble` is used in a non-constant expression?

```
#include <iostream>

struct MyDouble{
  double myVal;
  constexpr MyDouble(double v): myVal(v){}
  constexpr double getVal(){return myVal;}
};
int main() {
  // your code goes here
  std::cout << "Hello World";
  return 0;
}
```

For further information, see constexpr and calculation of distances at compile

time.

In the next lesson, we will learn about associative containers in modern C++.