

# Tutorial Instructions

## Lecture 5

### 1 Containers

The file `maxVal.cpp` contains functions that are supposed to find the maximum value in various containers. Implement them, then run the test program to see if you did it right. Recall that a `map` stores key-value pairs. The `map` version should find the maximum key and return the corresponding value.

```
g++ -o test test.cpp maxVal.cpp
./test
```

### 2 Palindromes

The file `palindrome.h` declares functions for determining whether or not a given string is a palindrome. However, as you will see in `palindrome.cpp`, all the important ones have not been implemented. Your task is to write the functions so that the program in `test.cpp` completes successfully. A palindrome, as you know, is a string that reads the same forward and backward. The word ‘mom’ is a palindrome, and the phrase ‘Never odd or even’ is a palindrome if case and spaces are ignored. The program can be compiled and run as follows.

```
g++ -o test test.cpp palindrome.cpp
./test
```