Programming Method

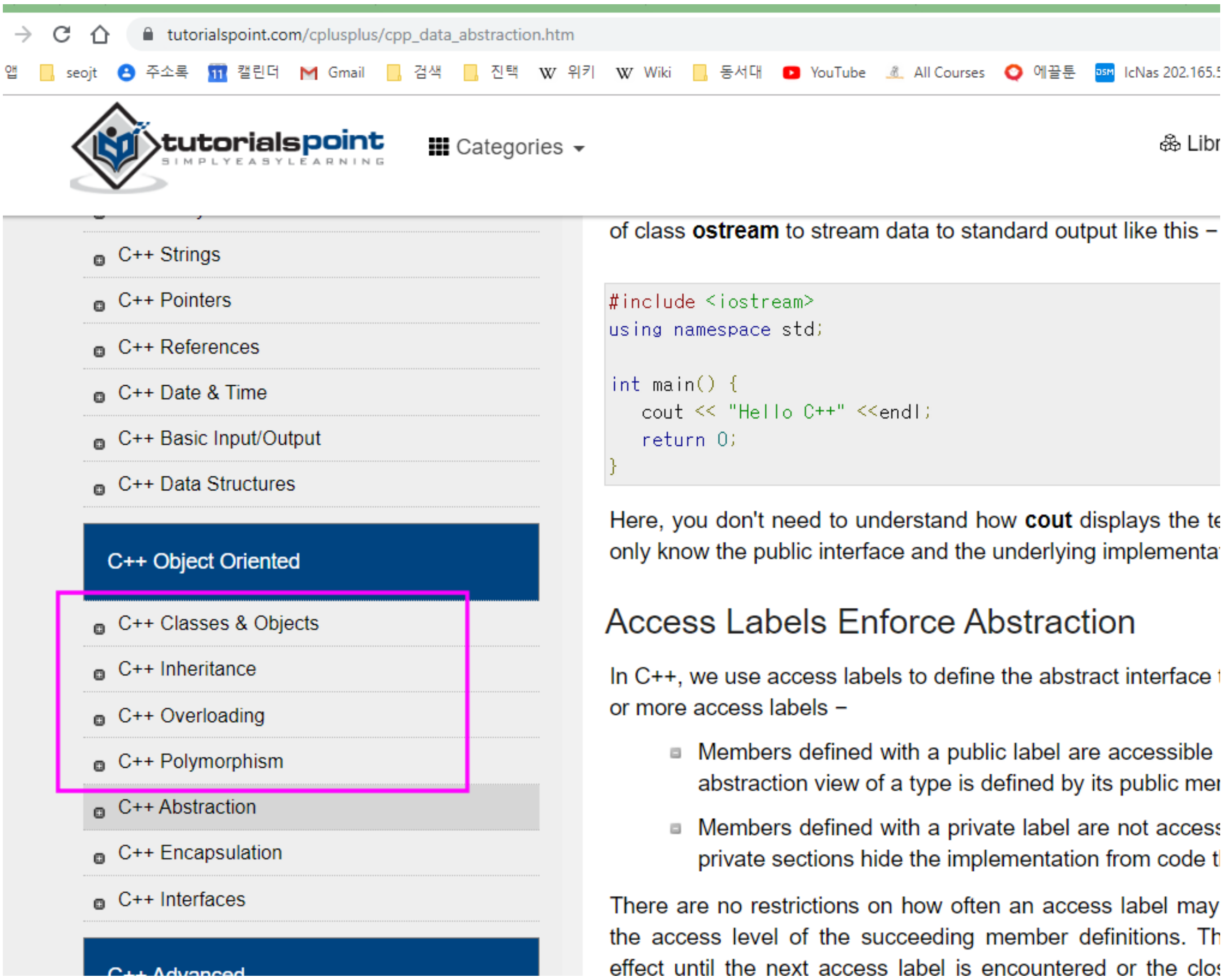
Midterm Exam Range

Date: October 22(Tue), 2019, 12:00 pm

1) Read 4 chapters of C++ tutorial at tutorials point

Link: https://www.tutorialspoint.com/cplusplus/cpp_data_abstraction.htm

- C++ Classes & Objects
- C++ Inheritance
- C++ Overloading
- C++ Polymorphism



of class **ostream** to stream data to standard output like this –

```
#include <iostream>
using namespace std;

int main() {
   cout << "Hello C++" <<endl;
   return 0;
}
```

Here, you don't need to understand how **cout** displays the te only know the public interface and the underlying implementa

Access Labels Enforce Abstraction

In C++, we use access labels to define the abstract interface t or more access labels –

- Members defined with a public label are accessible abstraction view of a type is defined by its public mer
- Members defined with a private label are not access private sections hide the implementation from code t

There are no restrictions on how often an access label may the access level of the succeeding member definitions. Th effect until the next access label is encountered or the clos

2) Understand source files listed below:

Link: https://github.com/GP101/Programming/tree/master/CppProgramming

ConsoleApplication1 inheritance.cpp

ConsoleApplication1 reference.cpp

CppOcw copy constructor01 crash.cpp

CppOcw copy constructor02 crash solution.cpp

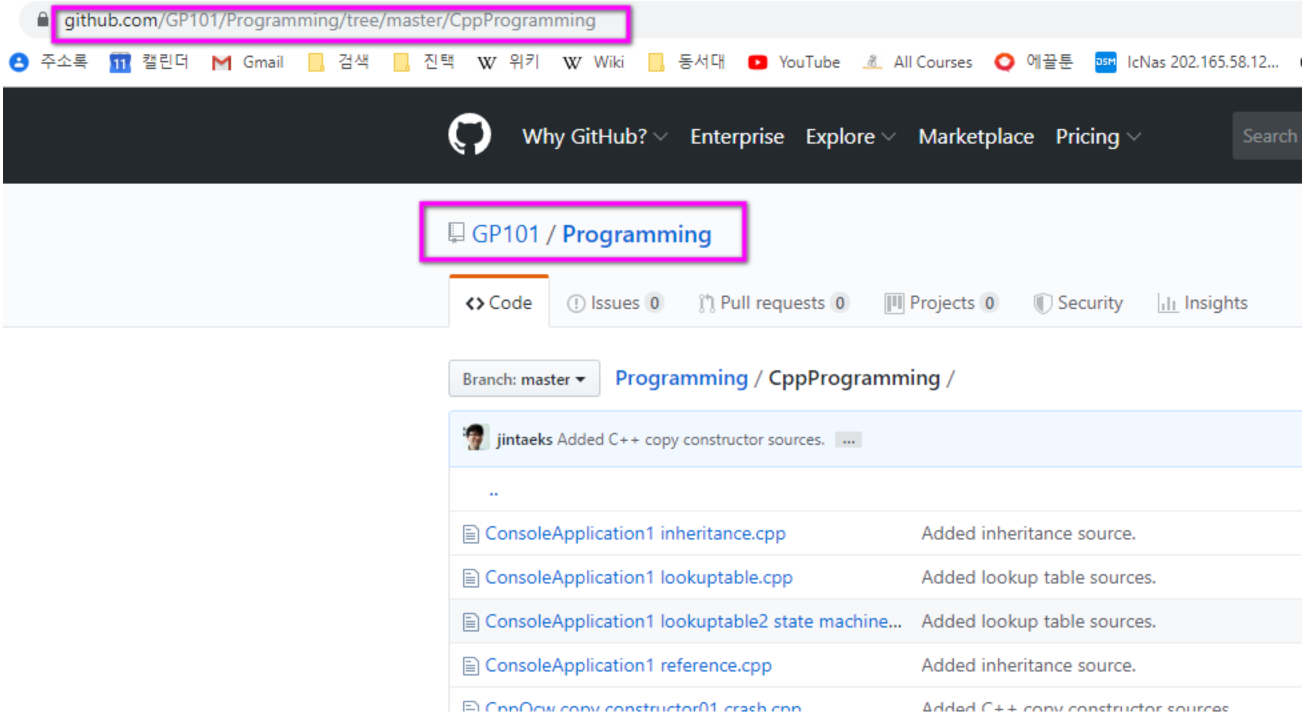
CppOcw_operatoroverloading01.cpp

CppOcw_operatoroverloading02 ostream.cpp

CppOcw_virtual01_virtual function.cpp

CppOcw_virtual02_virtual in destructor.cpp

CppOcw_virtual03_vtable.cpp



github.com/GP101/Programming/tree/master/CppProgramming

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jintaeks Added C++ copy constructor sources. ...

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ConsoleApplication1 inheritance.cpp	Added inheritance source.
ConsoleApplication1 lookuptable.cpp	Added lookup table sources.
ConsoleApplication1 lookuptable2 state machine...	Added lookup table sources.
ConsoleApplication1 reference.cpp	Added inheritance source.
CppOcw copy constructor01 crash.cpp	Added C++ copy constructor sources

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