CSCI851 Lab1

Part One

```
cd /Users/maywzh/Workspace/ji_coursenotes/2020fall/CSCI851/assignment/ass1
mkdir code
cd code
ls -la
```

- clang

Part Two

```cpp
#include <iostream>
using namespace std;
int main() {
  cout << "Hello World!" << endl;
  return 0;
}
```

```
cc Hello.cpp -o Hello
clang++ -std=c++1z Hello.cpp -o Hello
./Hello
```

- clang

```
code git:(master) ✗ clang++ -std=c++1z Hello.cpp -o Hello
code git:(master) ✗ ./Hello
ello World!
code git:(master) ✗ []
```

- cc

```
→  code git:(master) ✗ cc -o Hello Hello.cpp
Undefined symbols for architecture x86_64:
  "std::__1::locale::use_facet(std::__1::locale::id&) const", referenced from:
      std::__1::ctype<char> const& std::__1::use_facet<std::__1::ctype<char> >(std::__1::locale const&) in Hello-bc134f.o
  "std::__1::ios_base::getloc() const", referenced from:
      std::__1::basic_ios<char, std::__1::char_traits<char> >::widen(char) const in Hello-bc134f.o
  "std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::__init(unsigned long, char)", referenced from:
      std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::basic_string(unsigned long, char) in Hello-bc134f.o
  "std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::~basic_string()", referenced from:
      std::__1::ostreambuf_iterator<char, std::__1::char_traits<char> > std::__1::__pad_and_output<char, std::__1::char_traits<char> >(std::__1::ostre
r) in Hello-bc134f.o
  "std::__1::basic_ostream<char, std::__1::char_traits<char> >::put(char)", referenced from:
```

- gcc

```
→  code git:(master) ✗ gcc -o Hello Hello.cpp
Undefined symbols for architecture x86_64:
  "std::__1::locale::use_facet(std::__1::locale::id&) const", referenced from:
      std::__1::ctype<char> const& std::__1::use_facet<std::__1::ctype<char> >(std::__1::locale const&) in Hello-22b5f2.o
  "std::__1::ios_base::getloc() const", referenced from:
      std::__1::basic_ios<char, std::__1::char_traits<char> >::widen(char) const in Hello-22b5f2.o
  "std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::__init(unsigned long, char)", re
```

- g++

```
→  code git:(master) ✗ g++ -o Hello Hello.cpp
→  code git:(master) ✗ ./Hello
Hello World!
→  code git:(master) ✗ █
```