ECE2036: Week 12 - Polymorphic Global Function

Instructions: Find the output of the following code

```
#include <iostream>
using namespace std;
class Base
public:
 virtual void Func1() = 0;
 void Func2();
 virtual void Func3();
 void Func4(); };
class Sub1: public Base
{public:
   virtual void Funcl();
   void Func2(); };
class Sub2 : public Sub1 {
public:
 virtual void Funcl();
 void Func2();
 virtual void Func3(); };
class Sub3: public Sub2
{public:
 virtual void Funcl();
 void Func2(); };
 void Base::Func2()
 { std::cout << "Hello from Base::Func2()" << std::endl; };
 void Base::Func3()
 { std::cout << "Hello from Base::Func3()" << std::endl; };
 void Base::Func4()
 { std::cout << "Hello from Base::Func4()" << std::endl;
 Funcl();
 Func2(); };
 void Subl::Funcl()
 { std::cout << "Hello from Sub1::Func1()" << std::endl; };
 void Sub1::Func2()
 { std::cout << "Hello from Sub1::Func2()" << std::endl; };
 void Sub2::Func1()
 { std::cout << "Hello from Sub2::Func1()" << std::endl; };
 void Sub2::Func2()
 { std::cout << "Hello from Sub2::Func2()" << std::endl; };
 void Sub2::Func3()
 { std::cout << "Hello from Sub2::Func3()" << std::endl; };
 void Sub3::Func1()
 { std::cout << "Hello from Sub3::Func1()" << std::endl; };
 void Sub3::Func2()
 { std::cout << "Hello from Sub3::Func2()" << std::endl; };
 void globalFunction(Base * b)
   b->Funcl();
   b->Func2();
   b->Func3();
   b->Func4();
int main()
Sub2 s2;
Sub3 s3;
globalFunction(&s2);
cout << endl;
globalFunction(&s3);
```