ACA Summer School 2014

Advanced C++

Quiz 2(Will not be graded)

1. Explain the output of the following code: (Time: 5 min)

```cpp
class A {
public:
  void f() {
    cout << ``A::f'' << endl;
  }
  virtual void g() {
    cout << ``A::g'' << endl;
  }
};
class B : public A {
public:
  void f() {
    cout << ``B::f'' << endl;
  }
  virtual void g() {
    cout << ``B::g'' << endl;
  }
};
```

```cpp
int main(int argc, char** argv) {
  A a;
  B b;
  A* aPtr = &a;
  A* abPtr = &b;
  B* bPtr = &b;
  aPtr->f();
  aPtr->g();
  abPtr->f();
  abPtr->g();
  bPtr->f();
  bPtr->g();
  return 0;
}
```