```
#include <iostream>
#include <string>
using namespace std;
class X
{
    public:
   string data = "X";
    X(){cout << "X born\n";}</pre>
    ~X() {cout << "X died\n";}
    void showData(){cout << data << '\n';}</pre>
};
class Y
{
    public:
   char data = 'Y';
    Y() {cout << "Y born\n";}
    ~Y() {cout << "Y died\n";}
    void showData(){cout << data << '\n';}</pre>
};
class A
{
    public:
    double data = 777.888;
    Yy;
    A() {cout << "A born\n";}
    ~A() {cout << "A died\n";}
    void showData(){cout << data << '\n';}</pre>
class B : public A
{
   public:
    int data = 420;
   Υу;
    X *xp; // no object created
    B(){cout << "B born\n";}</pre>
    ~B(){cout << "B died\n";}
    void showData(){cout << data << '\n';</pre>
         /*A::y.data = char(153);
         cout << A::y.data << '\n';*/}</pre>
};
class C : public B
{
    public:
    bool data = false;
    Yy;
    C() {cout << "C born\n";}</pre>
    ~C() {cout << "C died\n";}
    void showData(){cout << data << '\n';</pre>
         /*cout << A::y.data << '\n';*/}
};
int main()
{
    X *xp; // no object created
    cout << "----\n";
    X x; x.showData();
    cout << "----\n";
    Y y; y.showData();
    cout << "----\n";
    A a; a.showData();
    cout << "----\n";
    B b; b.showData();
    cout << "----\n";
    C c; c.showData();
    cout << "----\n";
    return 0;
}
```