

OOP as it Should Be



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RIGHT WAY

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حقوق النشر محفوظة، أسعار الكورسات في المنصة هي أسعار
رمزية جدا، ارجو عدم نشر هذه الوثيقة لان نشرها سيمنعنا من
الاستمرار في تقديم العلم للآخرين

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الناس من التعلم

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```
#include <iostream>

using namespace std;

class clsAddress
{
private:
    string _AddressLine1;
    string _AddressLine2;
    string _POBox;
    string _ZipCode;

public :

    clsAddress(string AddressLine1, string AddressLine2, string
POBox, string ZipCode)
    {
        _AddressLine1 = AddressLine1;
        _AddressLine2 = AddressLine2;
        _POBox = POBox;
        _ZipCode = ZipCode;
    }

    //Copy Constructor
    clsAddress(clsAddress & old_obj)
    {
        _AddressLine1 = old_obj.AddressLine1();
        _AddressLine2 = old_obj.AddressLine2();
        _POBox = old_obj.POBox();
        _ZipCode = old_obj.ZipCode();
    }

    void SetAddressLine1(string AddressLine1)
    {
        _AddressLine1 = AddressLine1;
    }

    string AddressLine1()
    {
        return _AddressLine1;
    }
}
```



Copy Constructors

```
void SetAddressLine2(string AddressLine2)
{
    _AddressLine2 = AddressLine2;
}

string AddressLine2()
{
    return _AddressLine2;
}

void SetPOBox(string POBox)
{
    _POBox = POBox;
}

string POBox()
{
    return _POBox;
}

void SetZipCode(string ZipCode)
{
    _ZipCode = ZipCode;
}

string ZipCode()
{
    return _ZipCode;
}

void Print()
{
    cout << "\nAddress Details:\n";
    cout << "-----";
    cout << "\nAddressLine1: " << _AddressLine1 << endl;
    cout << "AddressLine2: " << _AddressLine2 << endl;
    cout << "POBox      : " << _POBox << endl;
    cout << "ZipCode     : " << _ZipCode << endl;
}

};
```



```
int main()
{
    clsAddress Address1("Queen Alia Street", "B 303", "11192", "5555");
    Address1.Print();

    clsAddress Address2 = Address1;
    Address2.Print();

    system("pause>0");
    return 0;
}
```