

**ENG236 Computer Programming****Quiz 7 (5 November 2009)**

Instructions: open book, 30 minutes, 100 marks

If you run the C++ program on the right hand side, you will get the following output on the screen.

```
*** funcA_1() ***
*** funcA_2() ***
*** funcB_1() ***
*** funcB_2() ***
```

Your task is to create a static library **LibA.lib** for class A (in a new project) and another **LibB.lib** for class B (in a new project), and use them in another project **with the name MainProject** to create the same screen output.

**Submission guidelines:**

Compress your project, **MainProject** to a single file (eg. **MainProject.rar** or **MainProject.zip**) and send it to the box "Quiz 7" in WebCT (<http://webct2.polyu.edu.hk>) by 18:30 on Nov 5, 2009. The network will be back on service 10 minutes before the deadline. Remember to click the button "Submit assignment" and confirm your submission by clicking the OK button. You can check the Status as **Submitted**.

**Remark:**

Your project **MainProject** should consist of the following files :

1. Aforesaid static libraries **LibA.lib**, and **LibB.lib**,
2. Header files, **ClassA.h** and **ClassB.h** for class A and class B respectively,
3. Source file, **prog.cpp** of **MainProject**

```
#include <iostream>
using namespace std;

class A
{
public:
    void funcA_1();
    void funcA_2();
private:
    int varA;
};

class B
{
public:
    void funcB_1();
    void funcB_2();
private:
    int varB;
};

int main()
{
    A obja;
    B objb;

    obja.funcA_1();
    obja.funcA_2();
    objb.funcB_1();
    objb.funcB_2();

    return 0;
}

void A::funcA_1()
{
    cout << "*** funcA_1() ***" << endl;
}

void A::funcA_2()
{
    cout << "*** funcA_2() ***" << endl;
}

void B::funcB_1()
{
    cout << "*** funcB_1() ***" << endl;
}

void B::funcB_2()
{
    cout << "*** funcB_2() ***" << endl;
}
```