Starting a C Project in Visual Studio 2005 on the Lab Computers

Until you feel comfortable programming the DSP in lab you can use a basic C/C++ project in Visual Studio 2005 to run through the exercises given in the "Teach yourself C" book. Below are the steps to start a project.

1. Launch Visual Studio 2005 under Start->Programs->Programming->Visual Studio 2005
2. In Visual Studio select File->New->Project
3. In the New Project window select Visual C++->Win32
4. Then in the New Project window Templates select "Win32 Console Application"
5. Enter any name for your project and any name for the Solution name (They can be the same)
6. Finally select a directory location for your project. Then click OK.
7. Click Next… Then select "Console application" and "Precompiled header"
8. Click Finish.
9. Visual Studio with then create a shell project for you.
10. Now let's make a Hello World application.
    a. Add in the #include area #include "conio.h"
    b. In the _tmain function add the code
       ```
       printf("Hello World");
       while(!kbhit()){} // This pauses until any key is hit
       return 0;
       ```
    c. Click the Green run arrow to run your small program.
    d. A black console window should appear with "Hello World" top corner.
    e. Press any key to exit the console window.