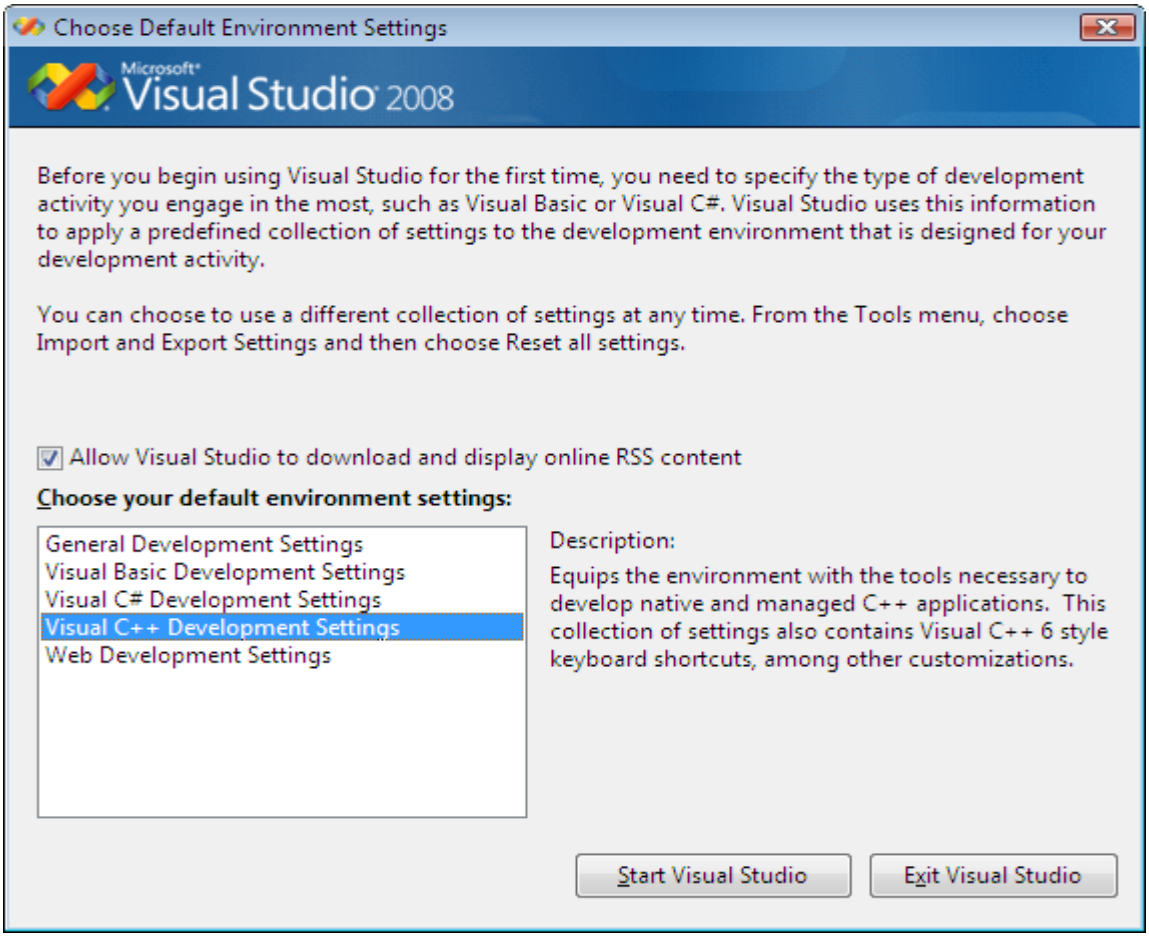
CSCI-3133 C Programming

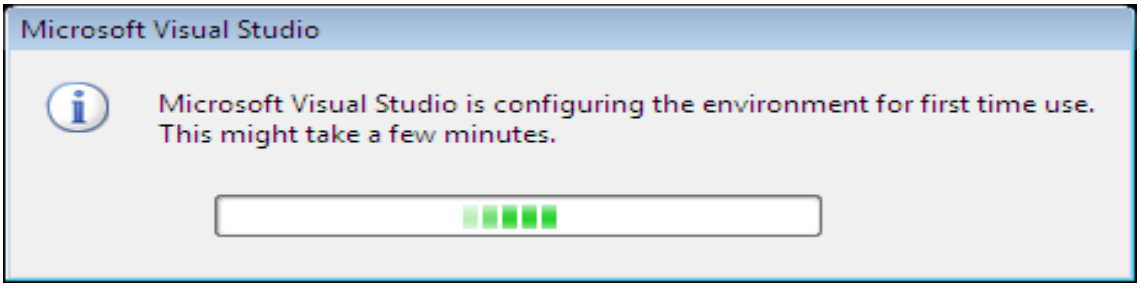
– Prof. K Abeysekera

Tutorial on how to write, compile and run a C program in Visual Studio 2008.

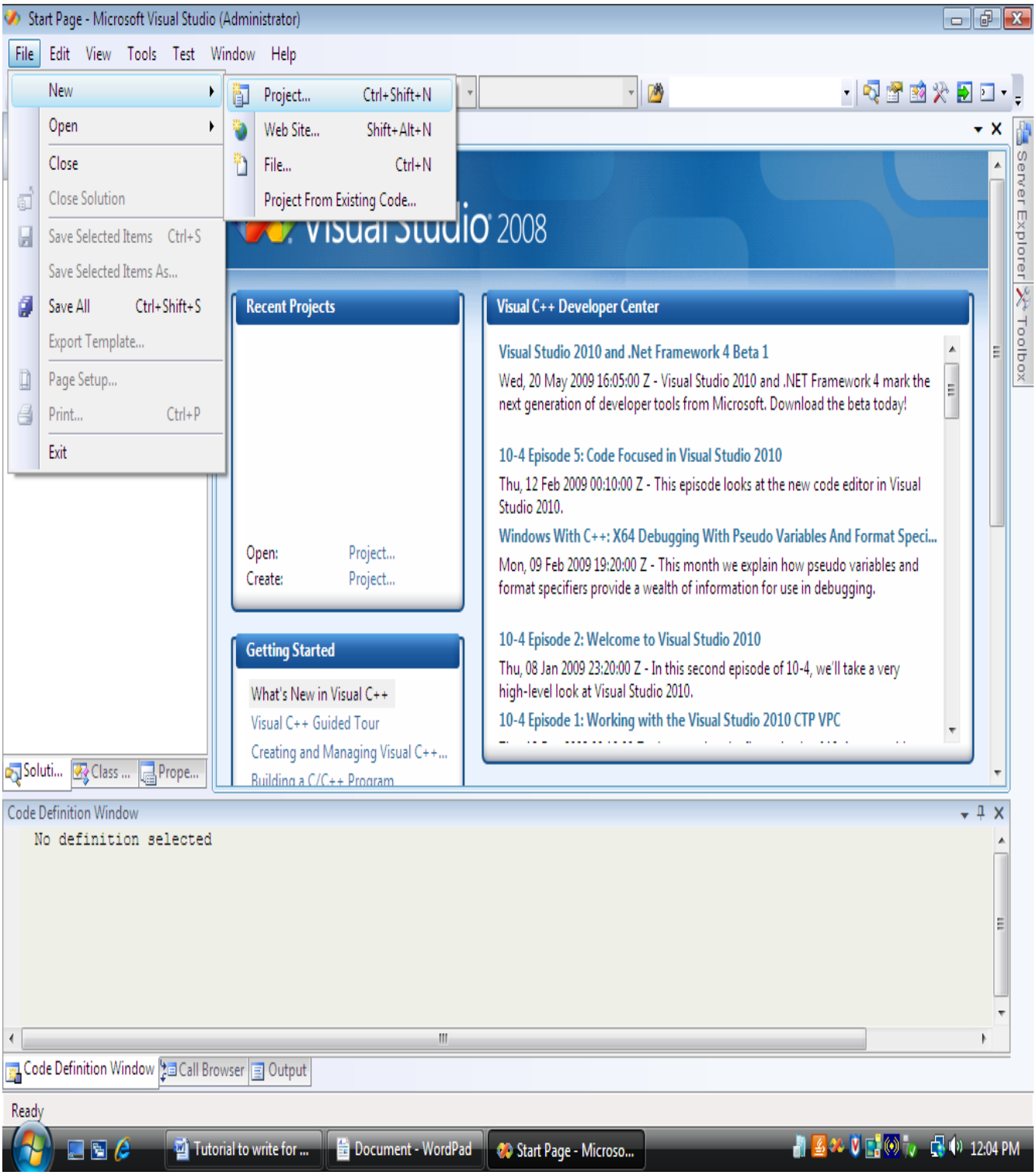
1) Start-->Programs-->Microsoft Visual Studio 2008-->Visual Studio

2)





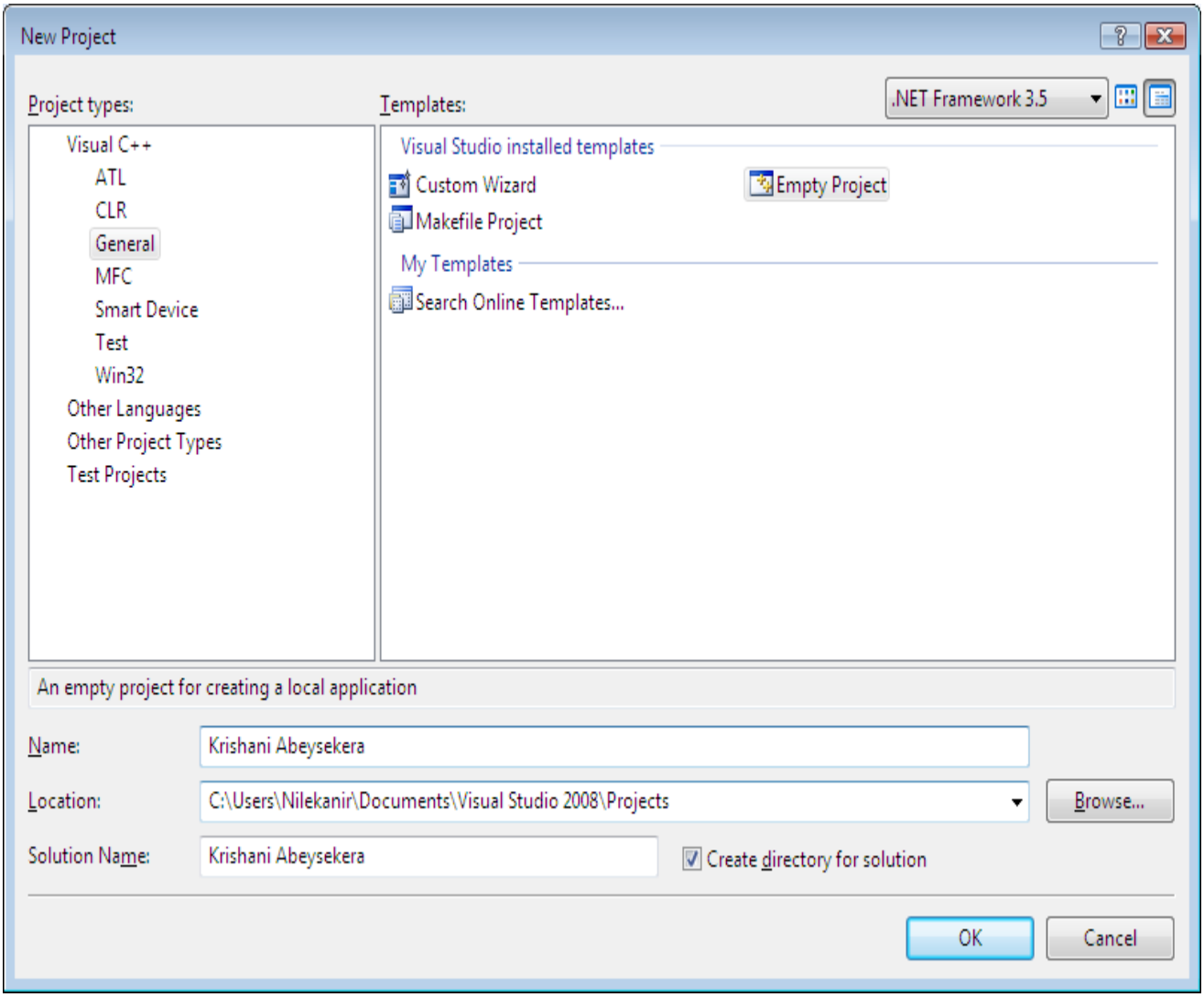
3) Click on **File--> New-->Project**



4) Project Type should be :

Visual C++ -> General -> Empty Project

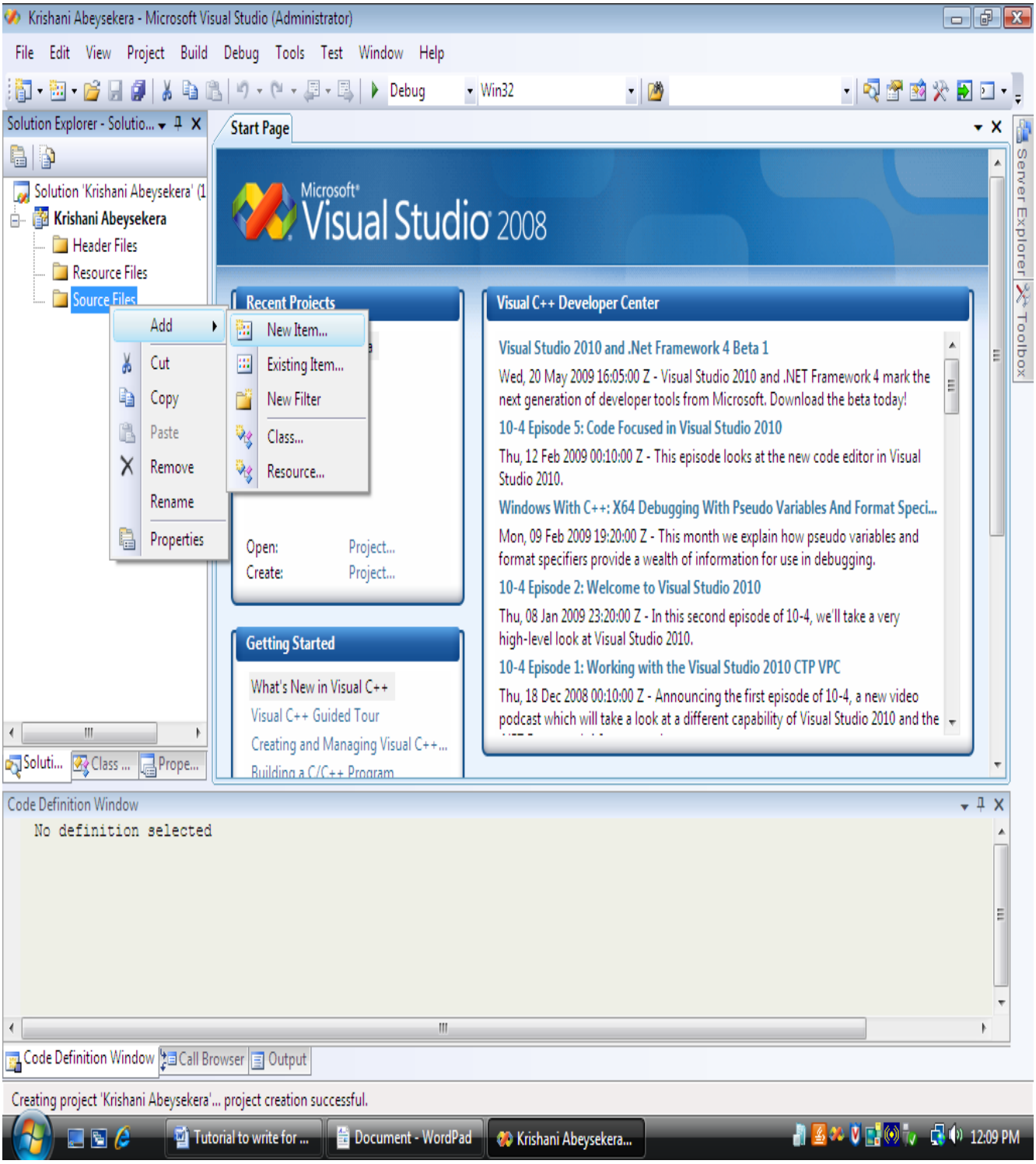
Enter **location** and **name**

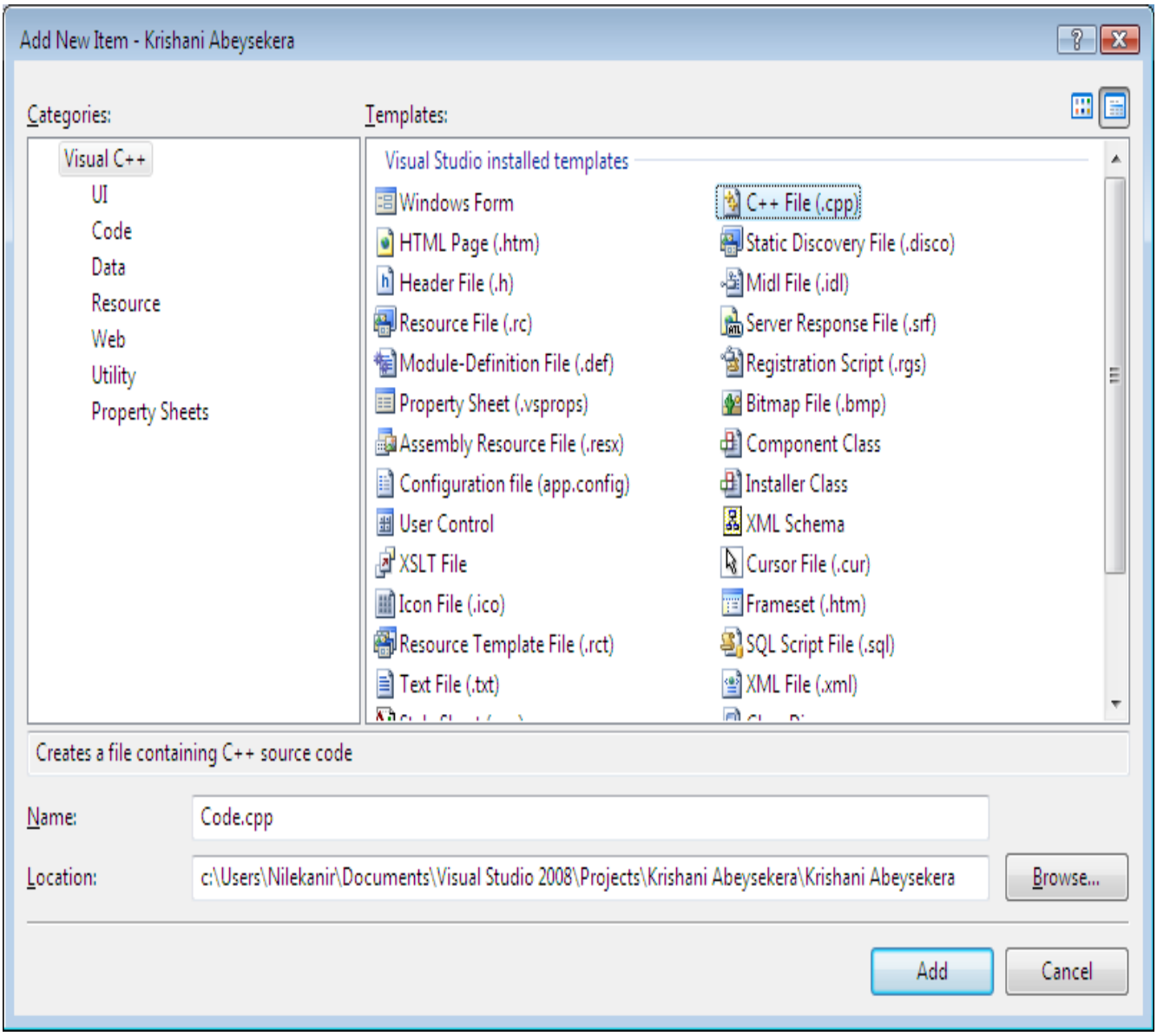


5) Right click on **Source File** and click on **Add**

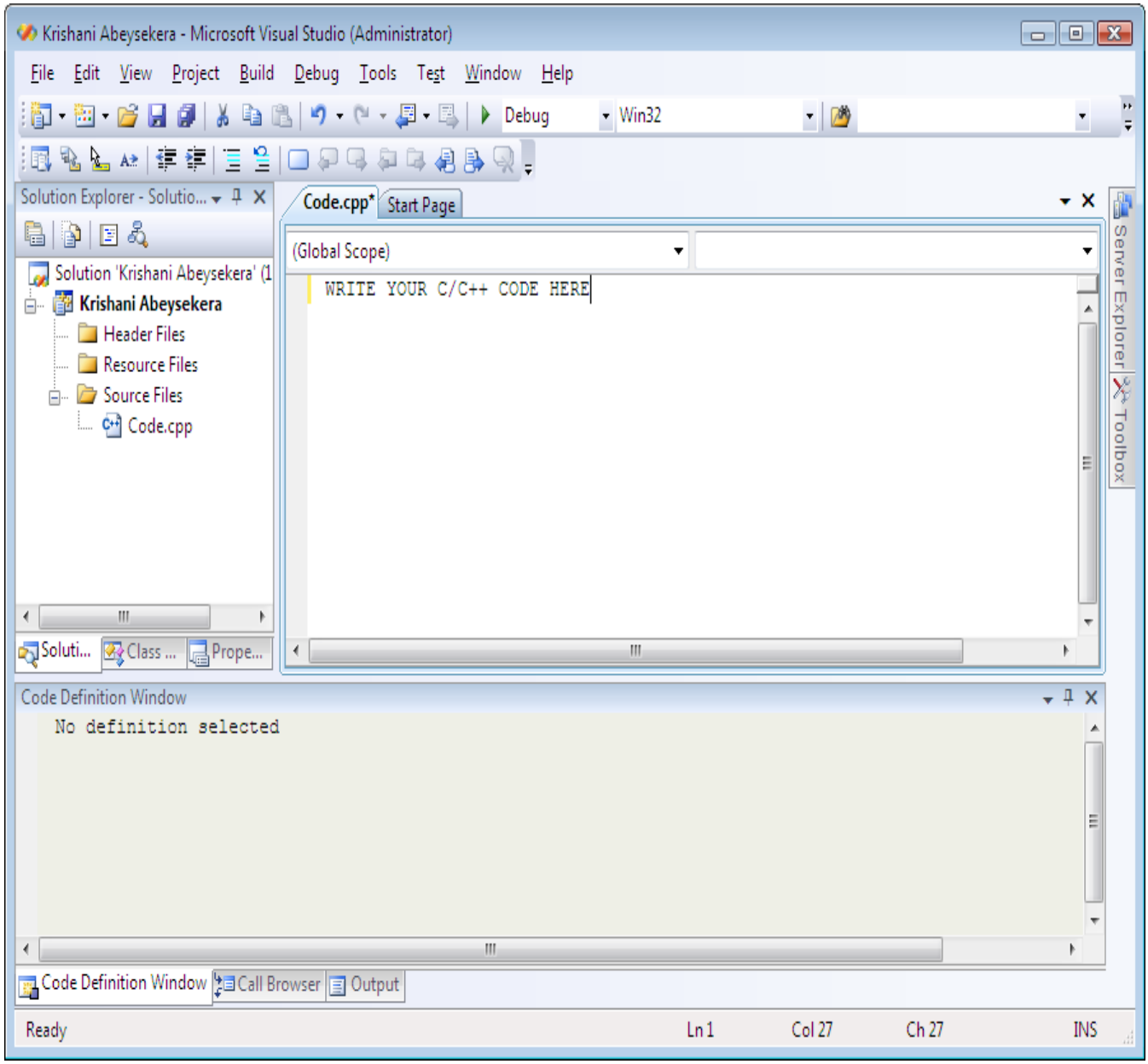
Select C++ file (**.cpp**)

Enter name

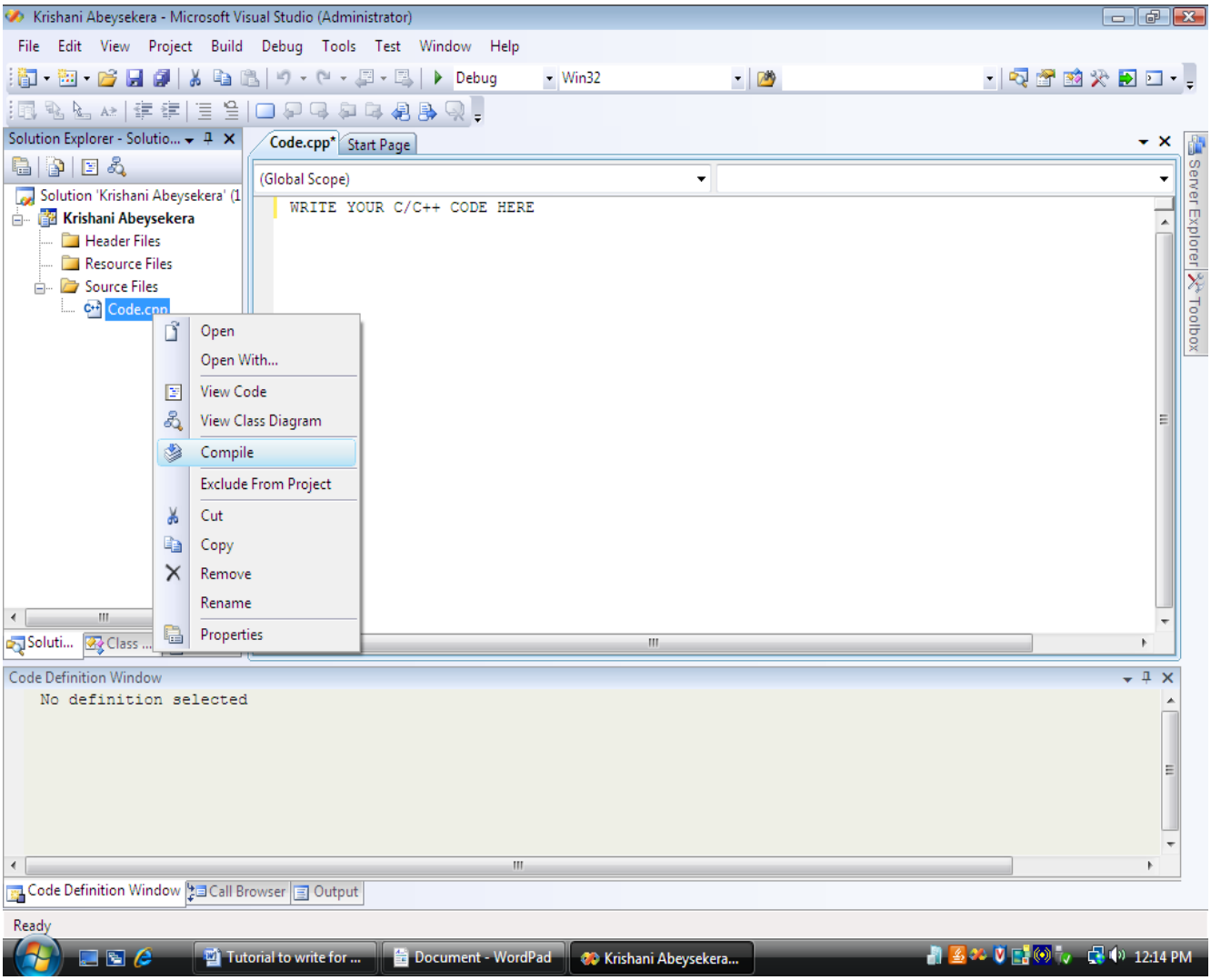

Krishani Abeysekera - Microsoft Visual Studio (Administrator)
File Edit View Project Build Debug Tools Test Window Help
Debug
Win32
Solution Explorer - Solutio...
Solution 'Krishani Abeysekera' (1
Krishani Abeysekera
Header Files
Resource Files
Source Files
Add
Cut
Copy
Paste
Remove
Rename
Properties
New Item...
Existing Item...
New Filter
Class...
Resource...
Start Page
Microsoft Visual Studio 2008
Recent Projects
Open: Project...
Create: Project...
Getting Started
What's New in Visual C++
Visual C++ Guided Tour
Creating and Managing Visual C++...
Visual C++ Developer Center
Visual Studio 2010 and .Net Framework 4 Beta 1
Wed, 20 May 2009 16:05:00 Z - Visual Studio 2010 and .NET Framework 4 mark the next generation of developer tools from Microsoft. Download the beta today!
10-4 Episode 5: Code Focused in Visual Studio 2010
Thu, 12 Feb 2009 00:10:00 Z - This episode looks at the new code editor in Visual Studio 2010.
Windows With C++: X64 Debugging With Pseudo Variables And Format Speci...
Mon, 09 Feb 2009 19:20:00 Z - This month we explain how pseudo variables and format specifiers provide a wealth of information for use in debugging.
10-4 Episode 2: Welcome to Visual Studio 2010
Thu, 08 Jan 2009 23:20:00 Z - In this second episode of 10-4, we'll take a very high-level look at Visual Studio 2010.
10-4 Episode 1: Working with the Visual Studio 2010 CTP VPC
Thu, 18 Dec 2008 00:10:00 Z - Announcing the first episode of 10-4, a new video podcast which will take a look at a different capability of Visual Studio 2010 and the
Server Explorer
Toolbox
Code Definition Window
No definition selected
Code Definition Window
Call Browser
Output
Creating project 'Krishani Abeysekera'... project creation successful.
Tutorial to write for ...
Document - WordPad
Krishani Abeysekera...
12:09 PM



6) Write your Code (as shown in the snapshot)

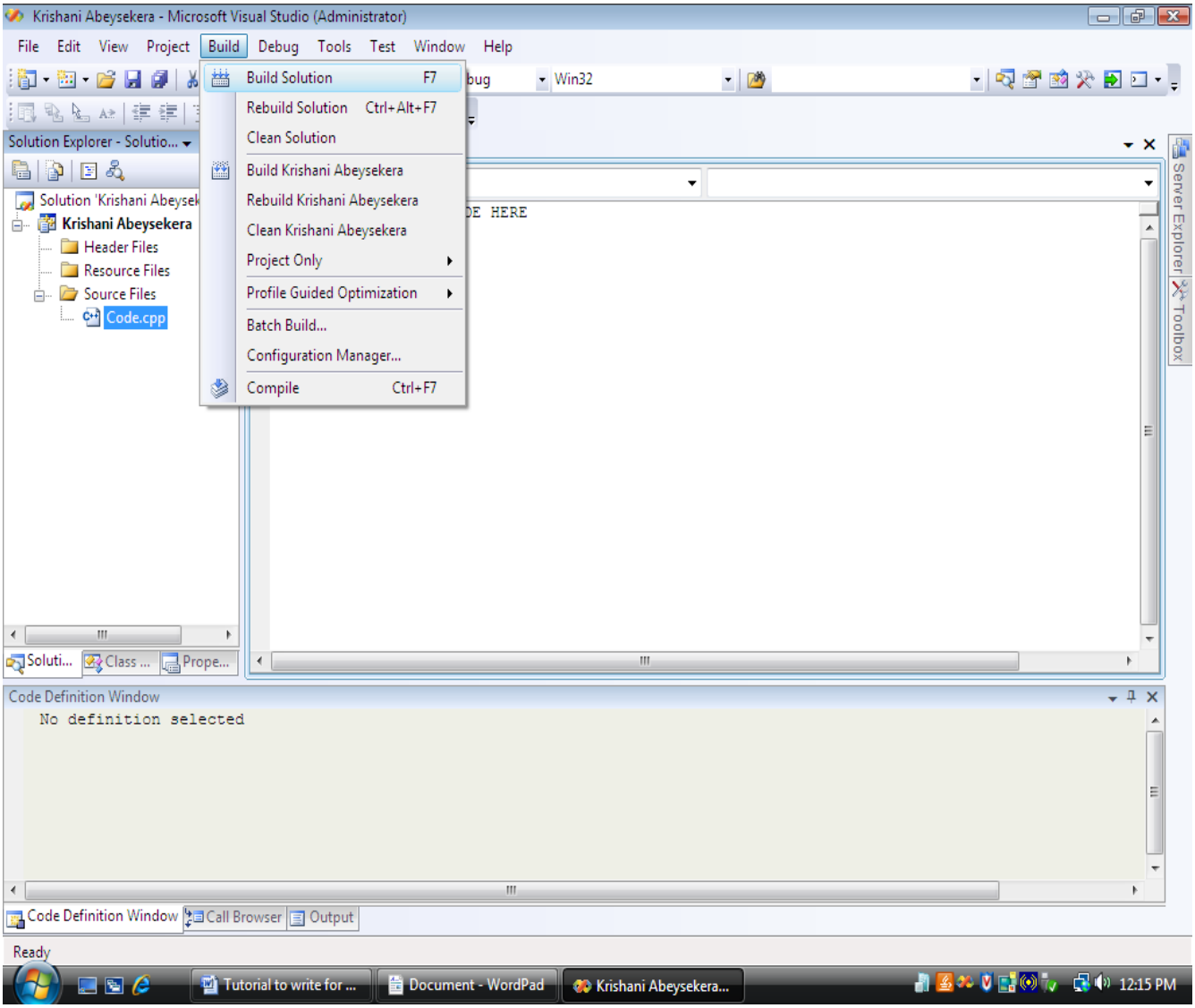


7) Right click on the file name in the Solutions Explorer panel and click on compile.

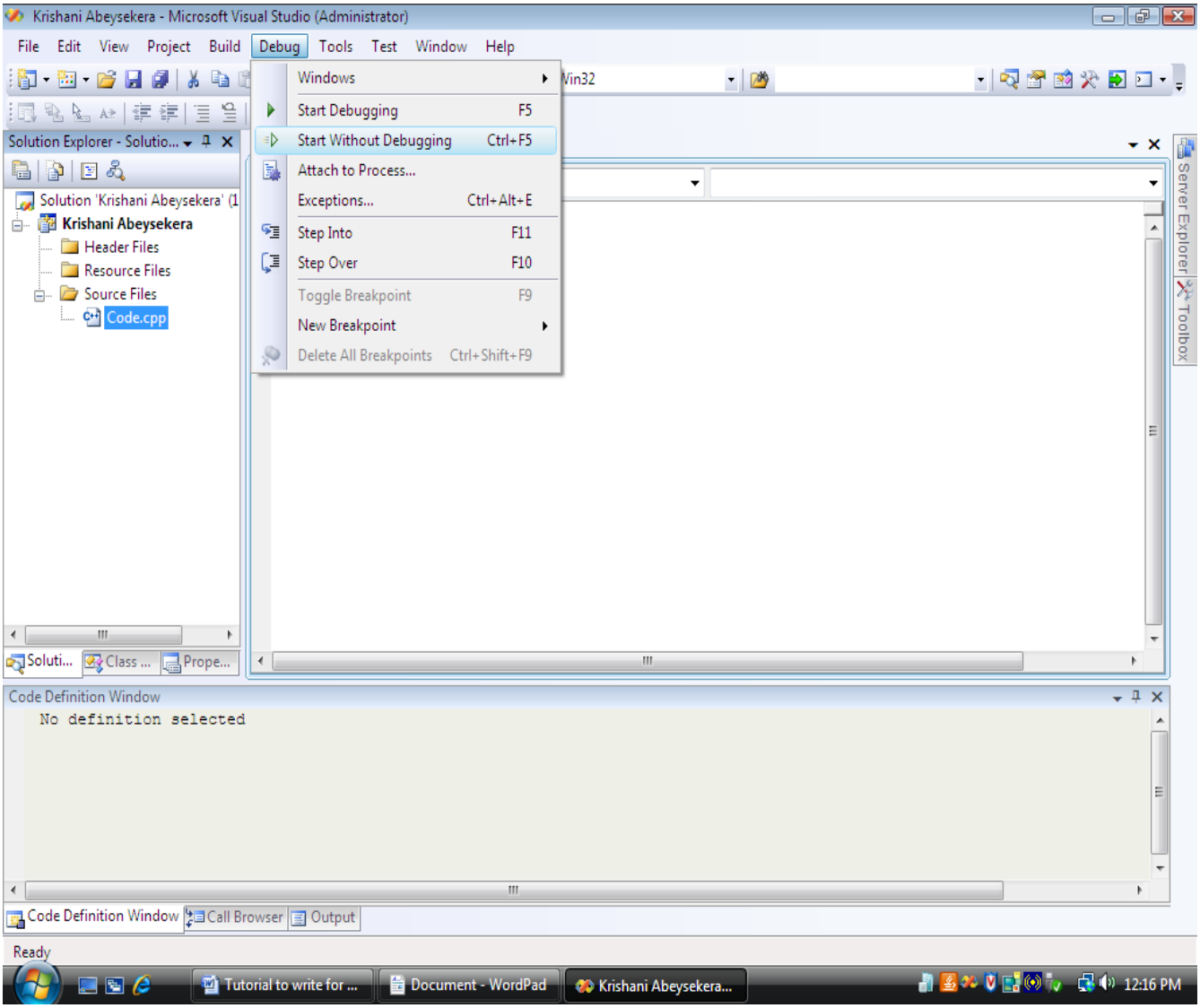


8) Fix program until there are no errors.

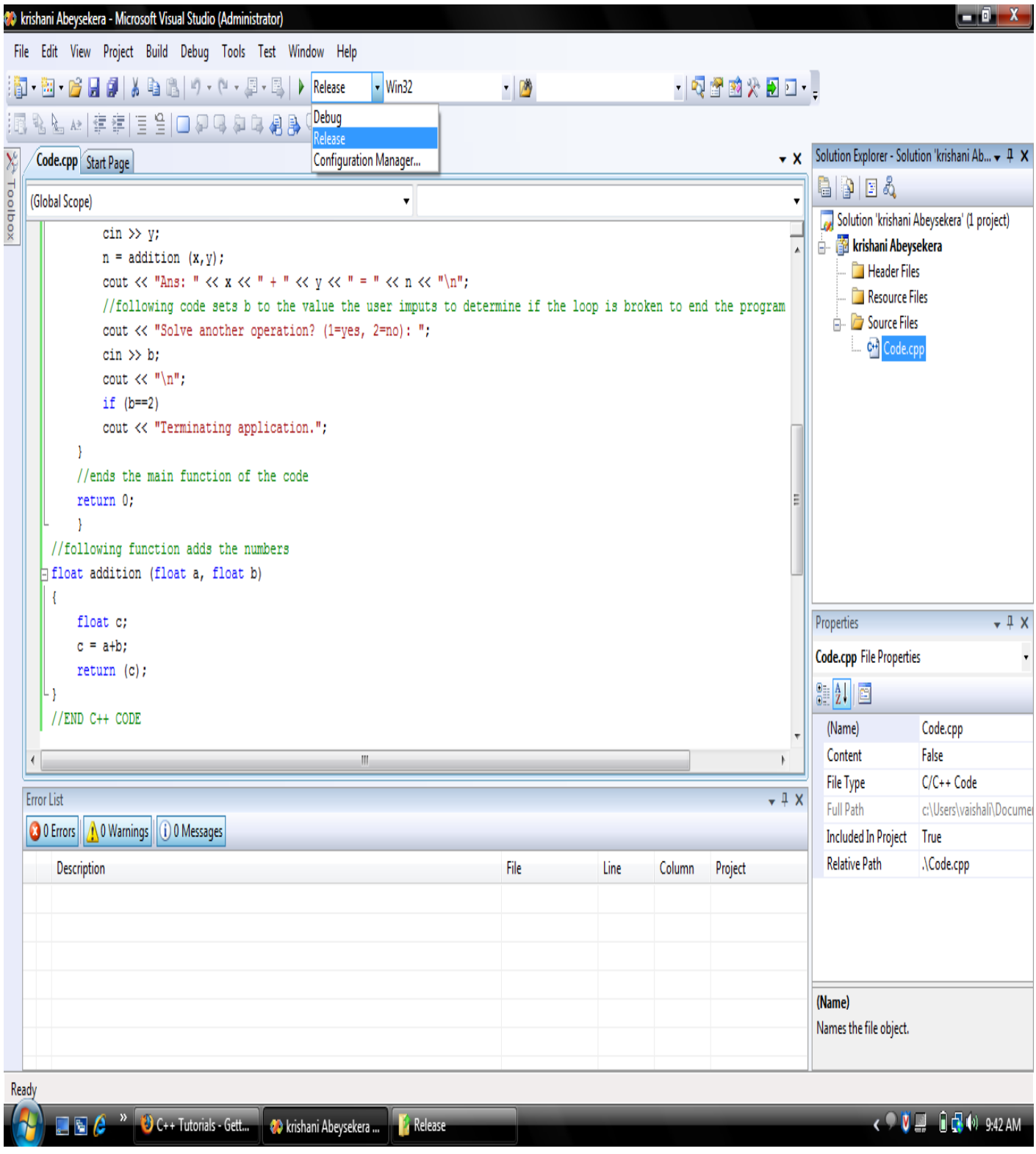
9) Click on the Build menu and select Build Solution



10) Click on the **Debug menu** and select **Start without Debugging** to run the program



11) After you are done completing the project. First go to the drop down menu near the top of the screen which says "**debug**" and change it to "**Release**" in order to save your project as **.exe** (as shown)


krishani Abeysekera - Microsoft Visual Studio (Administrator)
File Edit View Project Build Debug Tools Test Window Help
Release
Win32
Debug
Release
Configuration Manager...
Code.cpp
Start Page
(Global Scope)
cin >> y;
n = addition (x,y);
cout << "Ans: " << x << " + " << y << " = " << n << "\n";
//following code sets b to the value the user imputs to determine if the loop is broken to end the program
cout << "Solve another operation? (1=yes, 2=no): ";
cin >> b;
cout << "\n";
if (b==2)
cout << "Terminating application.";
}
//ends the main function of the code
return 0;
}
//following function adds the numbers
float addition (float a, float b)
{
float c;
c = a+b;
return (c);
}
//END C++ CODE
Solution Explorer - Solution 'krishani Ab...
Solution 'krishani Abeysekera' (1 project)
krishani Abeysekera
Header Files
Resource Files
Source Files
Code.cpp
Properties
Code.cpp File Properties
(Name) Code.cpp
Content False
File Type C/C++ Code
Included In Project True
Relative Path .\Code.cpp
(Name)
Names the file object.
Error List
0 Errors
0 Warnings
0 Messages
Description File Line Column Project
Ready
C++ Tutorials - Gett...
krishani Abeysekera ...
Release
9:42 AM

12) Go to the Build menu and select “Rebuild”.This should give the similar output.

Go to Windows Explorer and go to:
“C:\Documents and Settings\your_username_here\My Documents\ Visual Studio2008\Projects\Project_name\Release”. Double click on the filename.exe(Eg. Code.exe),check if it runs.

You need to hand in this exe file and the source code of your project