



**ME 172**

**C Programming Language Sessional**

**Lecture 1**

**by Hafijur Rahman**



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**0.75 Credit Hours**

**Sessional based on ME 171**

# Grading

Items	Percentage
Attendance	10%
Class Performance / In-class Exercises	20%
Assignment	20%
Final Test	50%
Total	100%



# Rules

- You must come to the class before starting time.
- **Don't copy assignments directly from others.** What you submit **MUST** be your own work unless it is specified as a group submission
- **Must submit your assignment on the due date.**
- **Everyone must sign a cover page and provide bullet point summaries of what you worked on.**
- **You must come to the class with prior preparation.**



# Rules for collaboration

- **You should work together & learn from one another .**
  - **You MUST acknowledge the contribution of others .**
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No credit will be lost if the response is correct, the acknowledgment is made, and no direct copying of the other

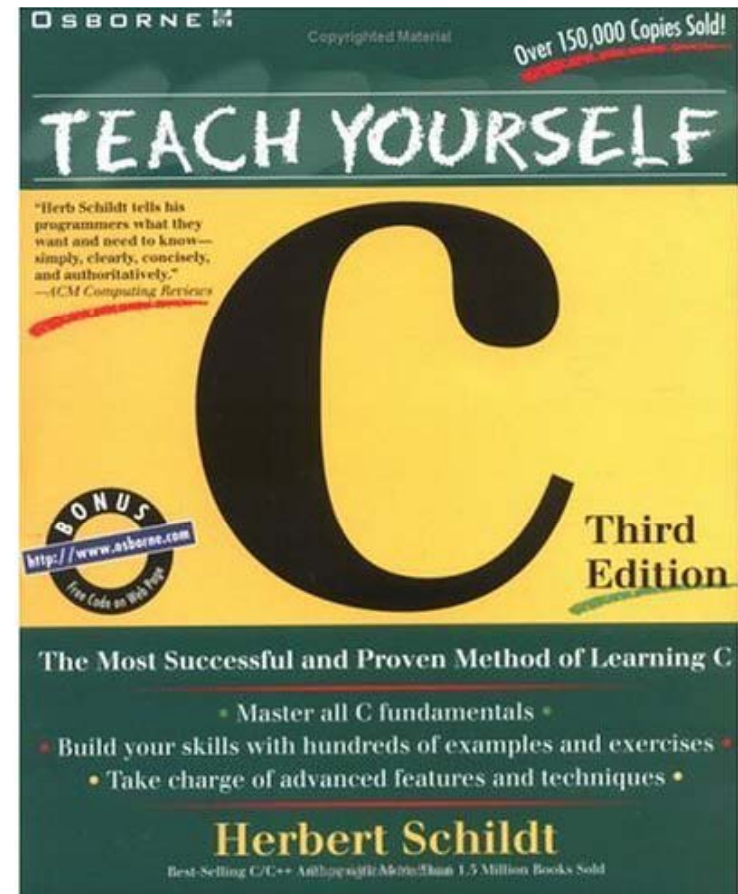
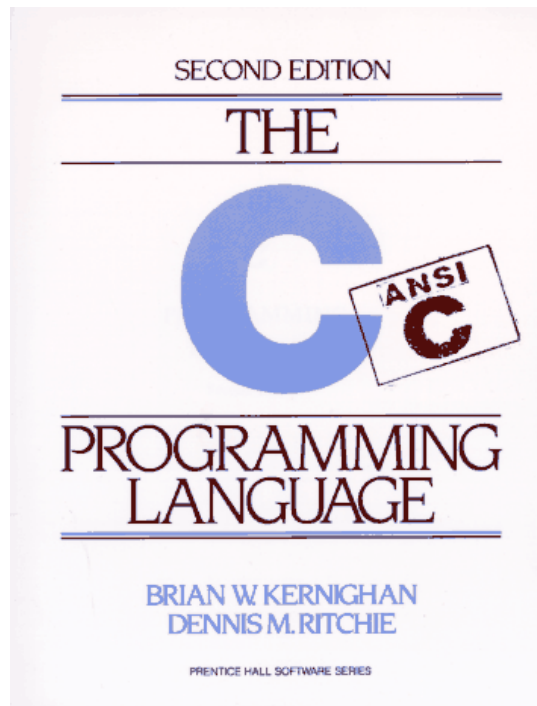


# Introduction

- Low-level, yet structured (Middle-level)
- Procedural
- Multiplatform/Portable
- Powerful
- C complex- **C is not a good learning language!!!!**

# Introduction to C (cont.)

- Versions of C
  - “Kernighan and Ritchie” C
  - ANSI C
  - C++

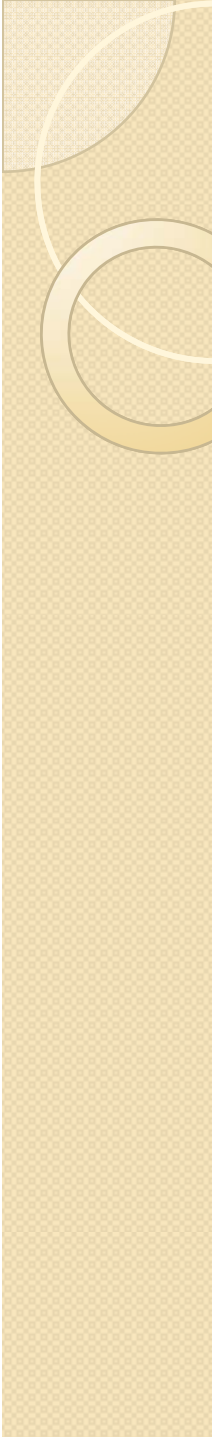




# The C Programming Process

1. Coding
  2. Compiling
  3. Testing (running)
  4. Repeat 1-3
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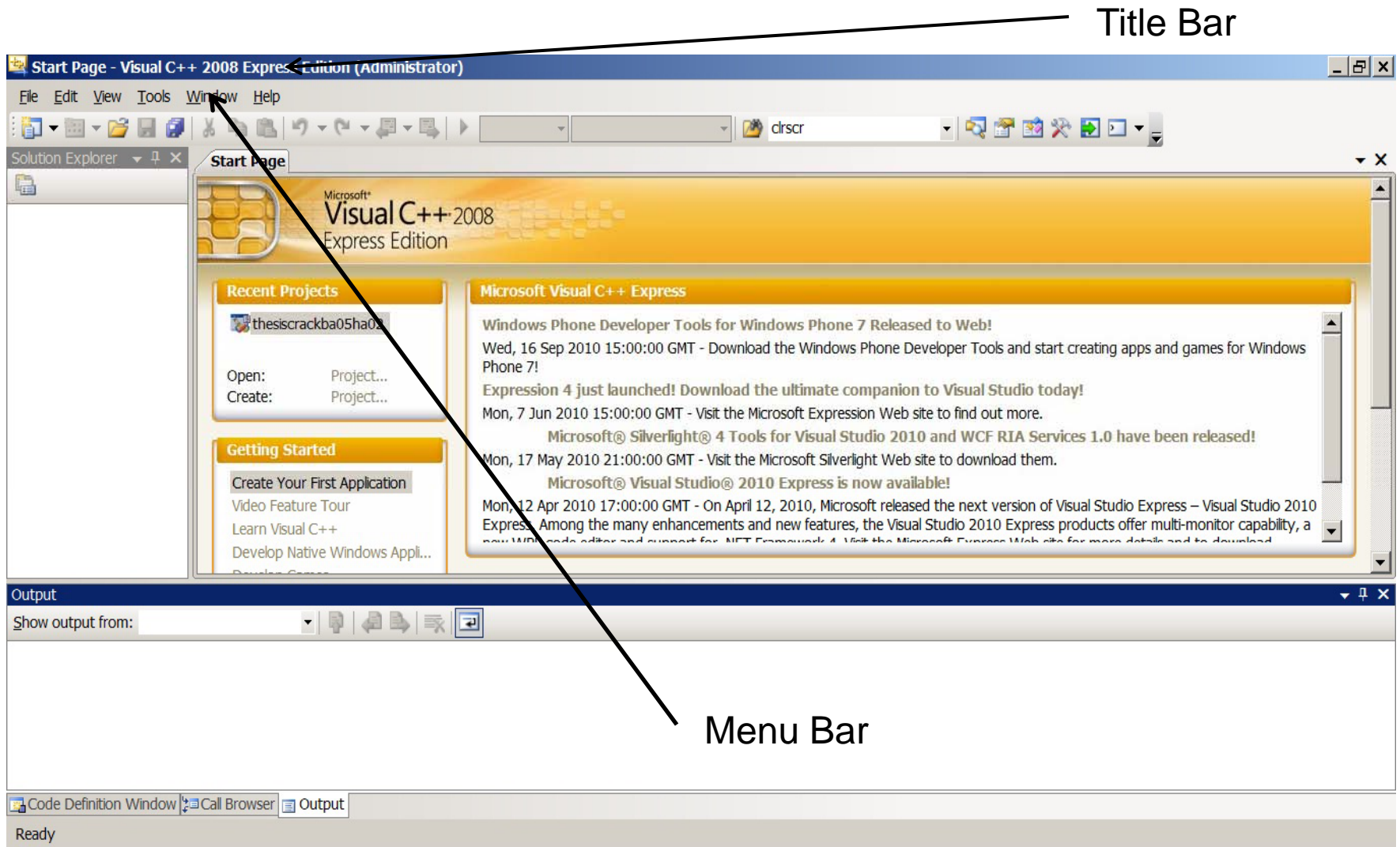
Code will be developed and Compiled using  
Microsoft Visual C++ 2008 Expression



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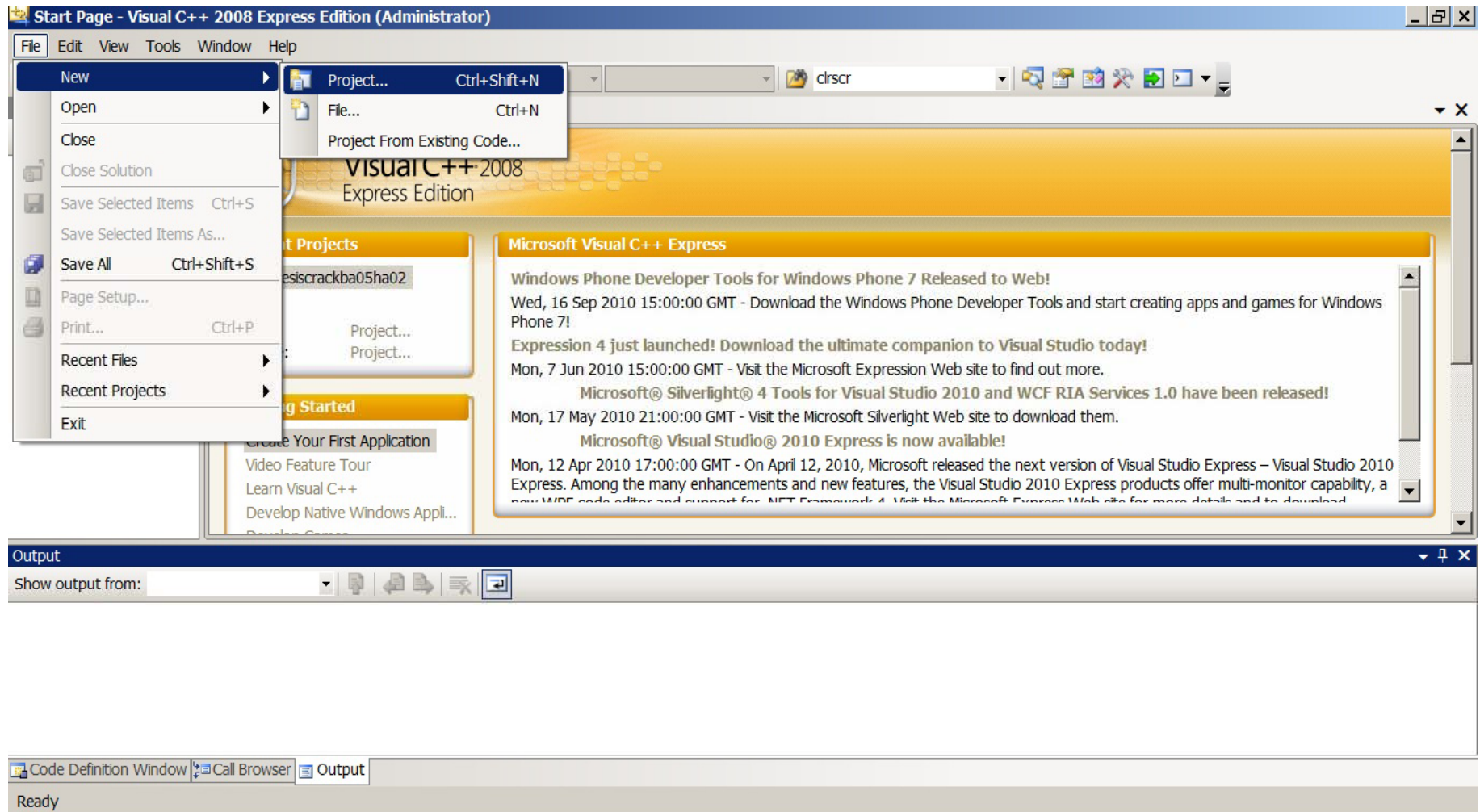
# How to open a project and a File in Microsoft Visual C++ 2008 Expression

# Complete Window of the compiler

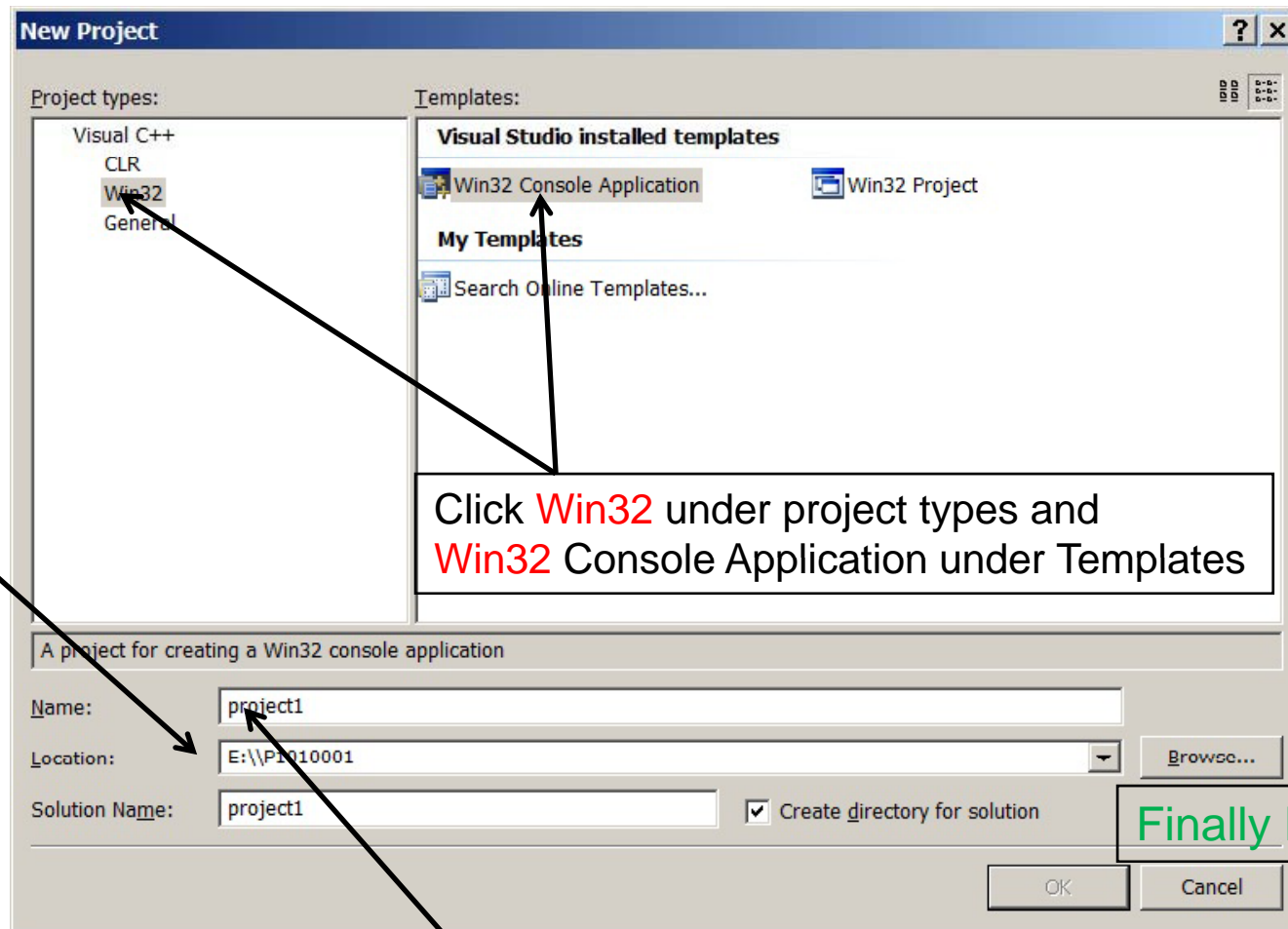


# On the File menu, point to New, and then Click Project:

File → New → Project



# New project dialog box will appear



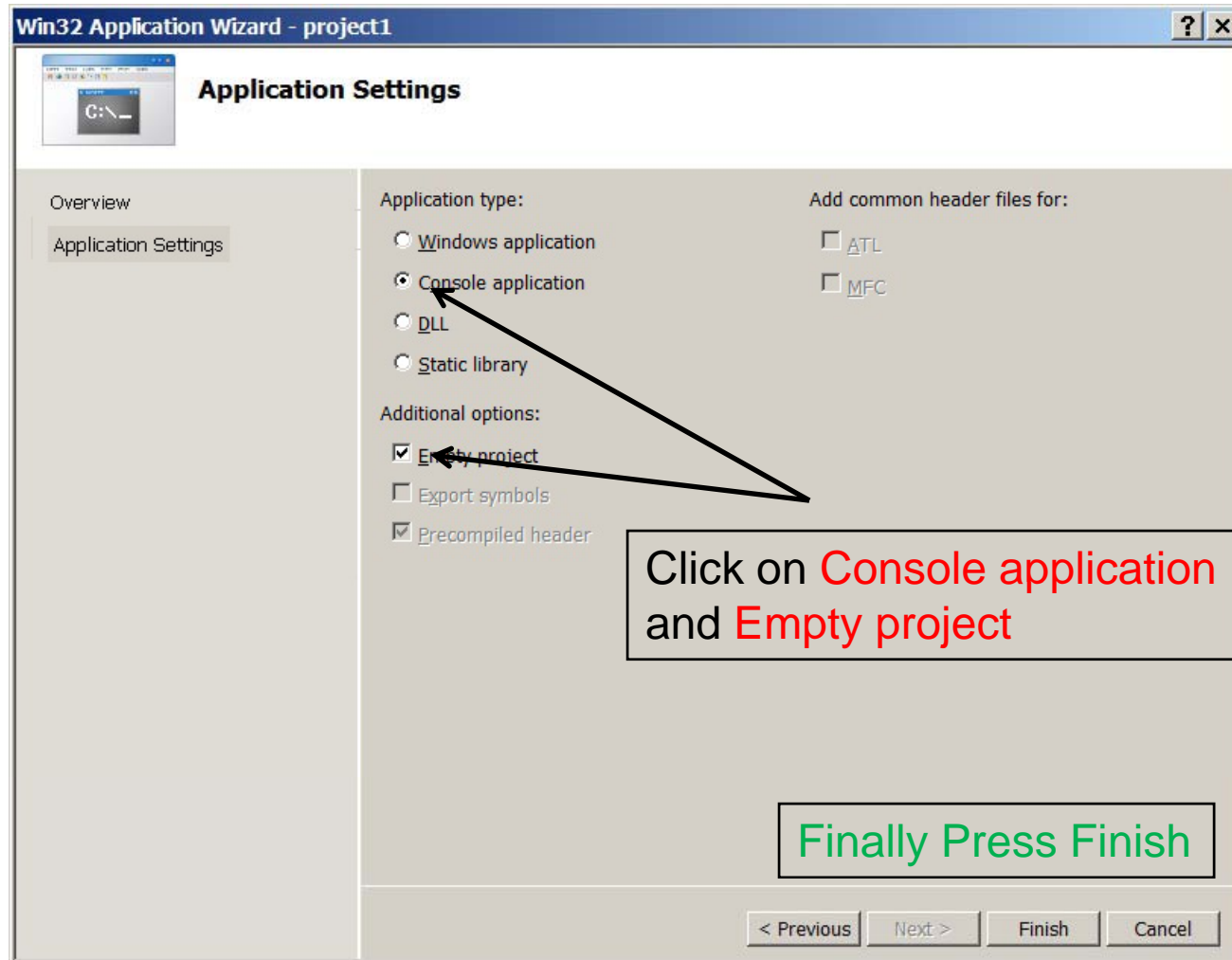
Select the location in which you want to save your projects

Click Win32 under project types and Win32 Console Application under Templates

Finally Press Ok

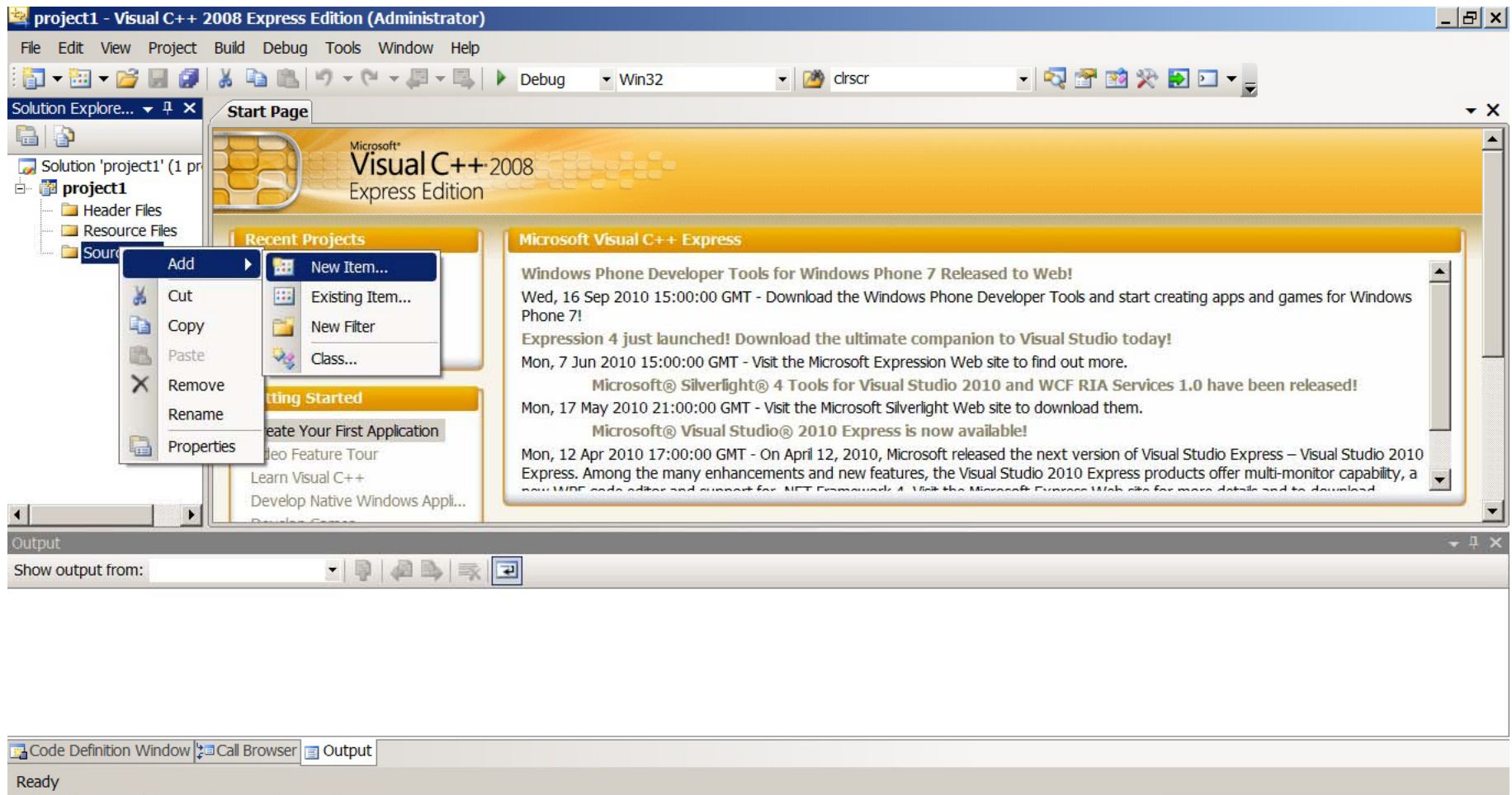
In the name text box type project name that must not start with digit. Should not place any space within it.

# Win32 Application wizard dialog box will appear

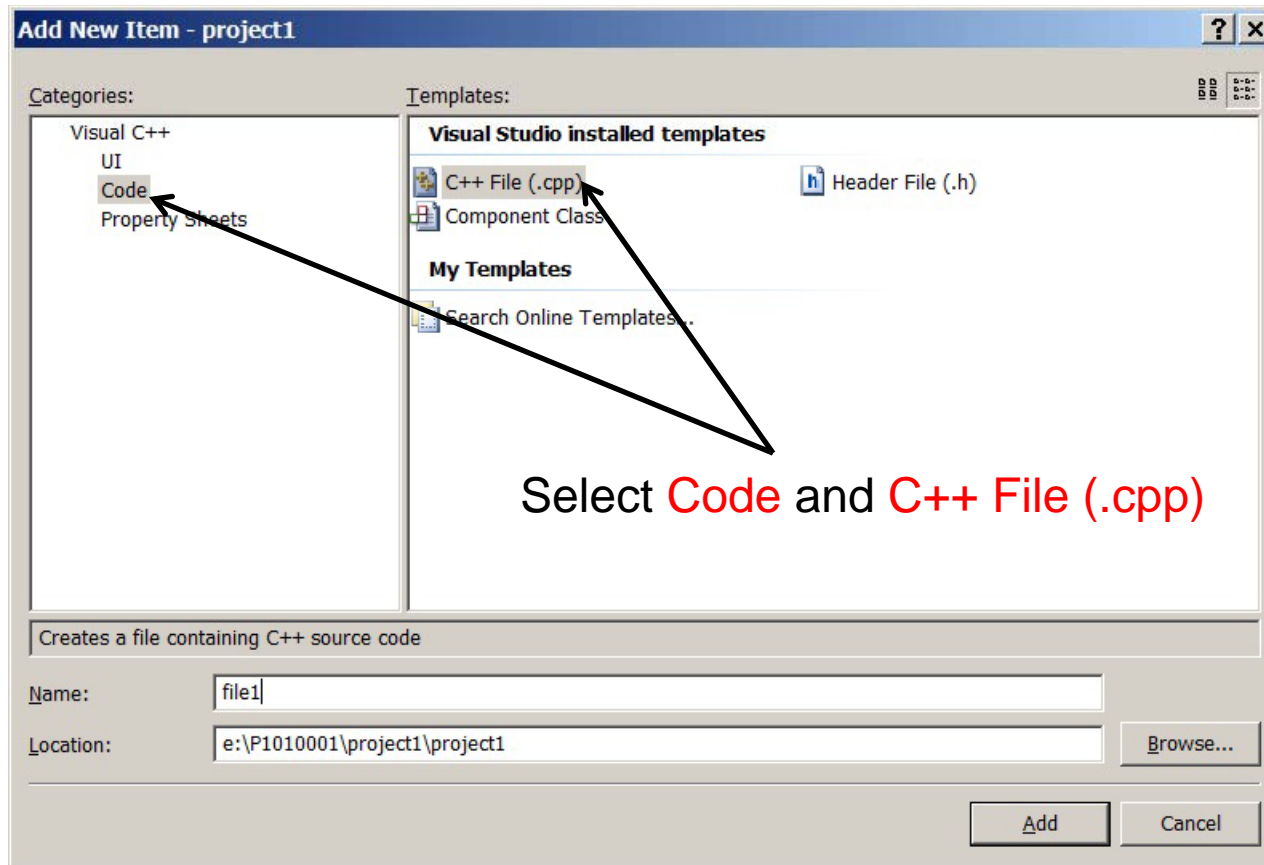


# Go to the solution Explorer and open a File:

Solution Explorer → Source Files (Press Right click on it) → Add → New Item



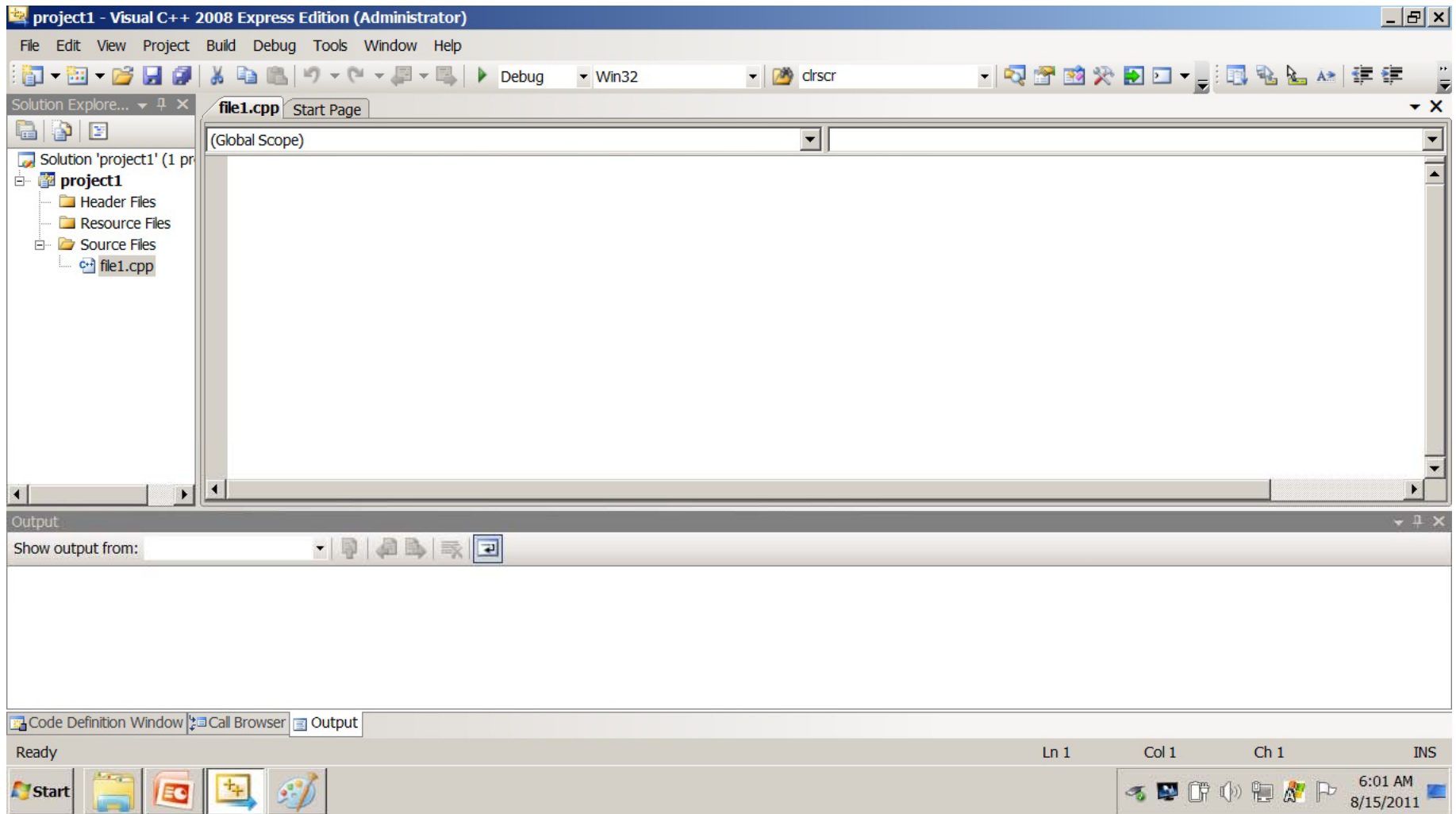
# Add new item dialog box will appear:



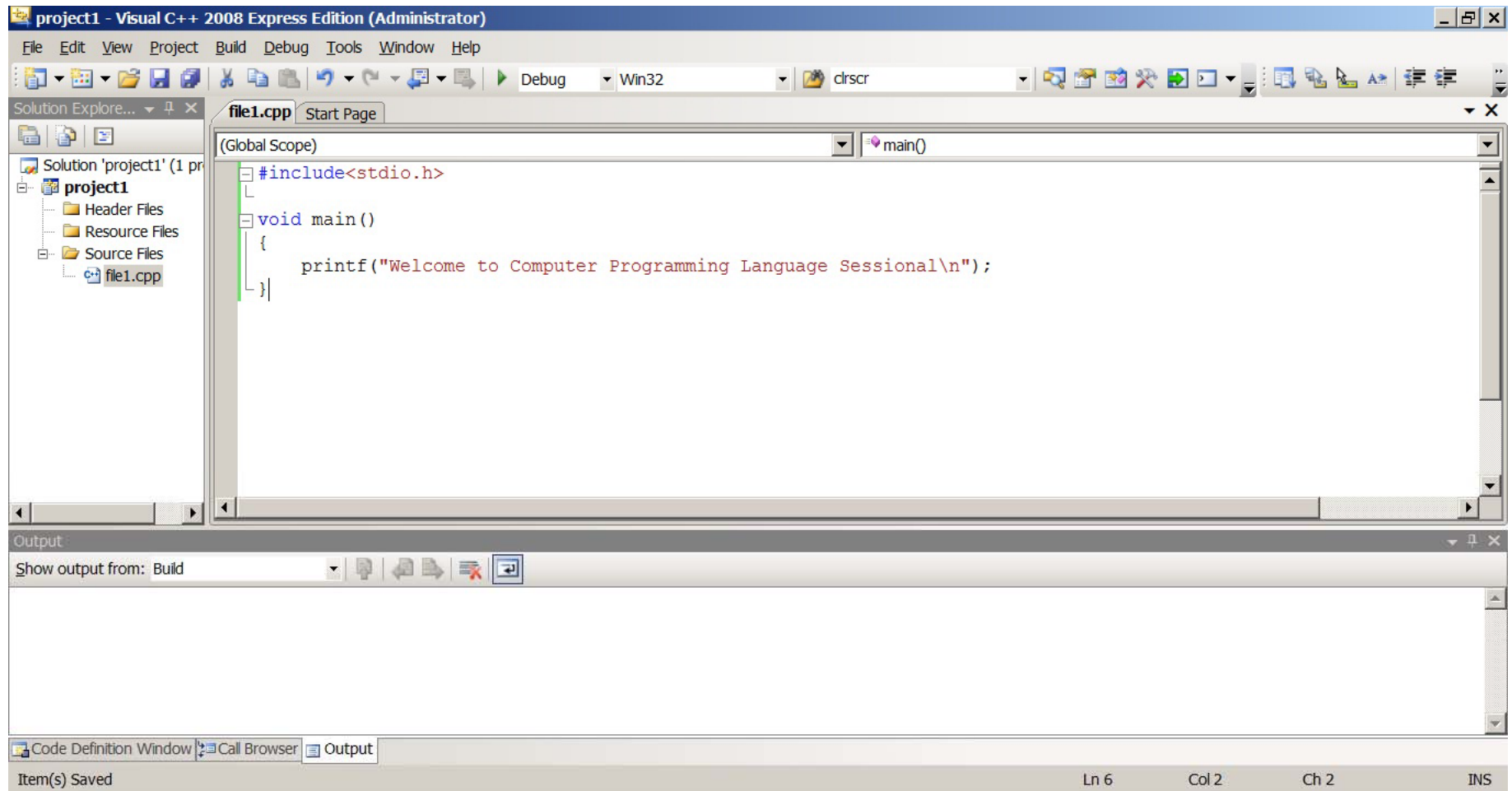
Finally Press Add



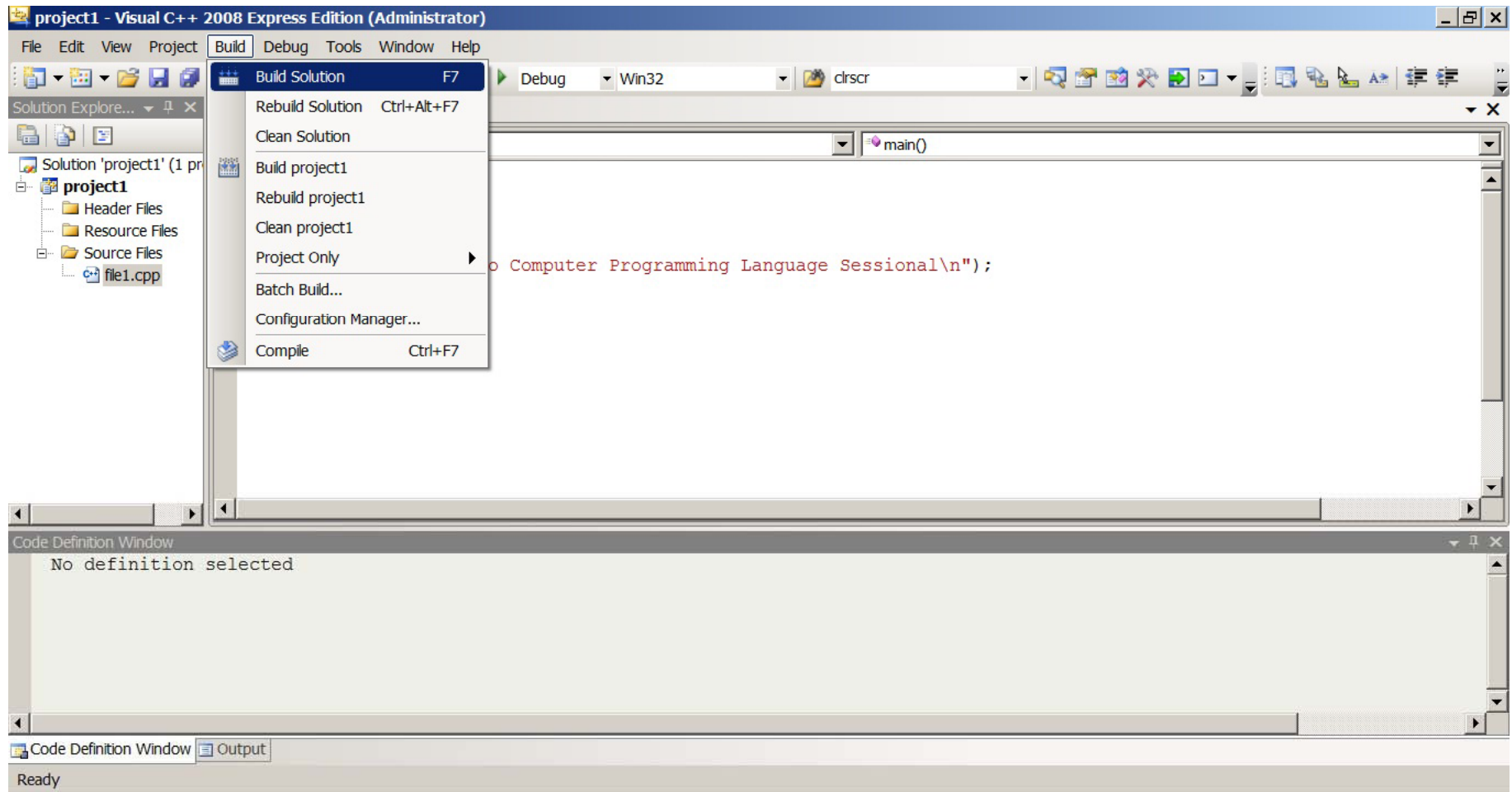
# Now file1.cpp file is ready to write a program:



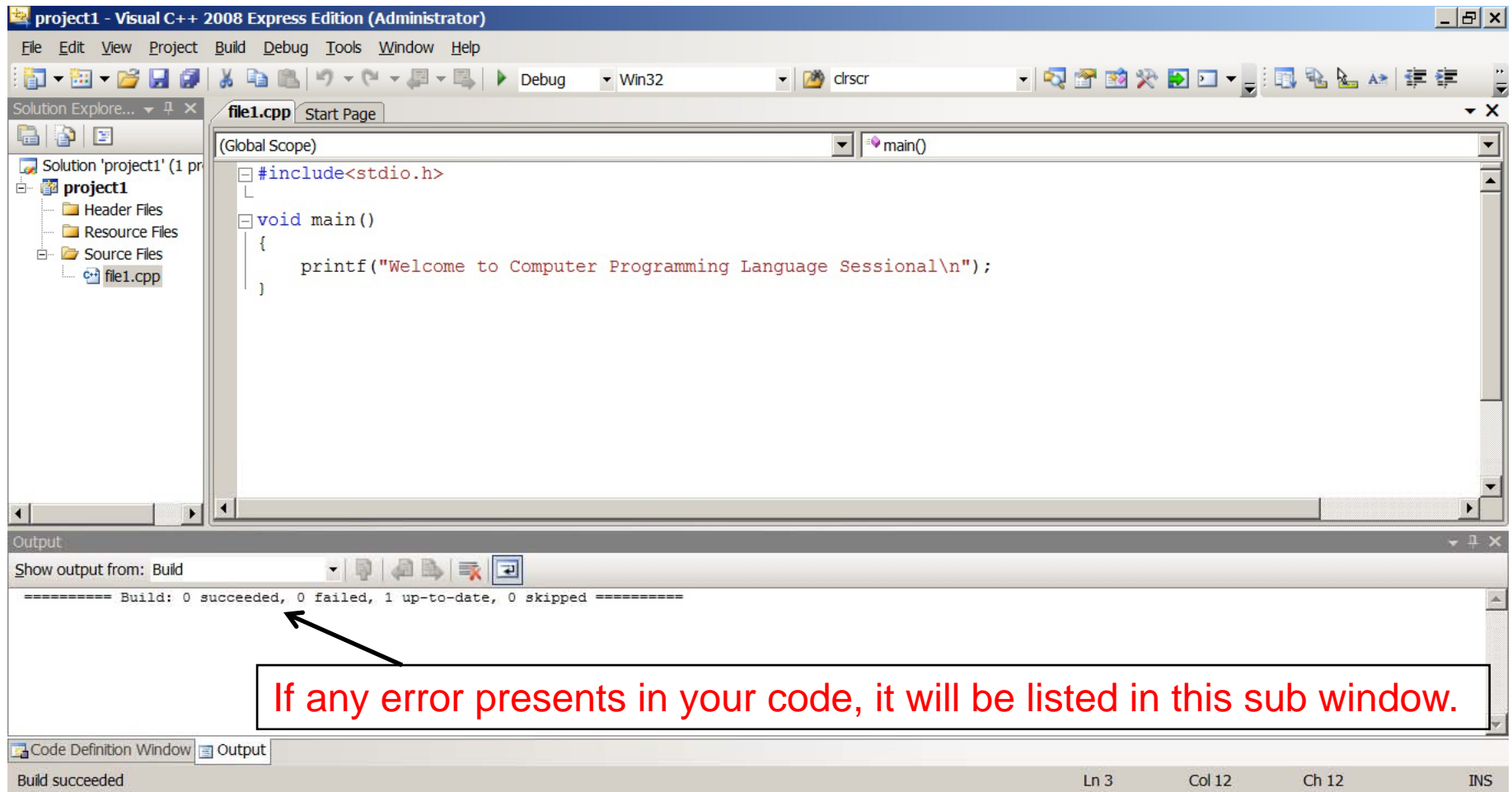
# Write your code in the file.cpp file:



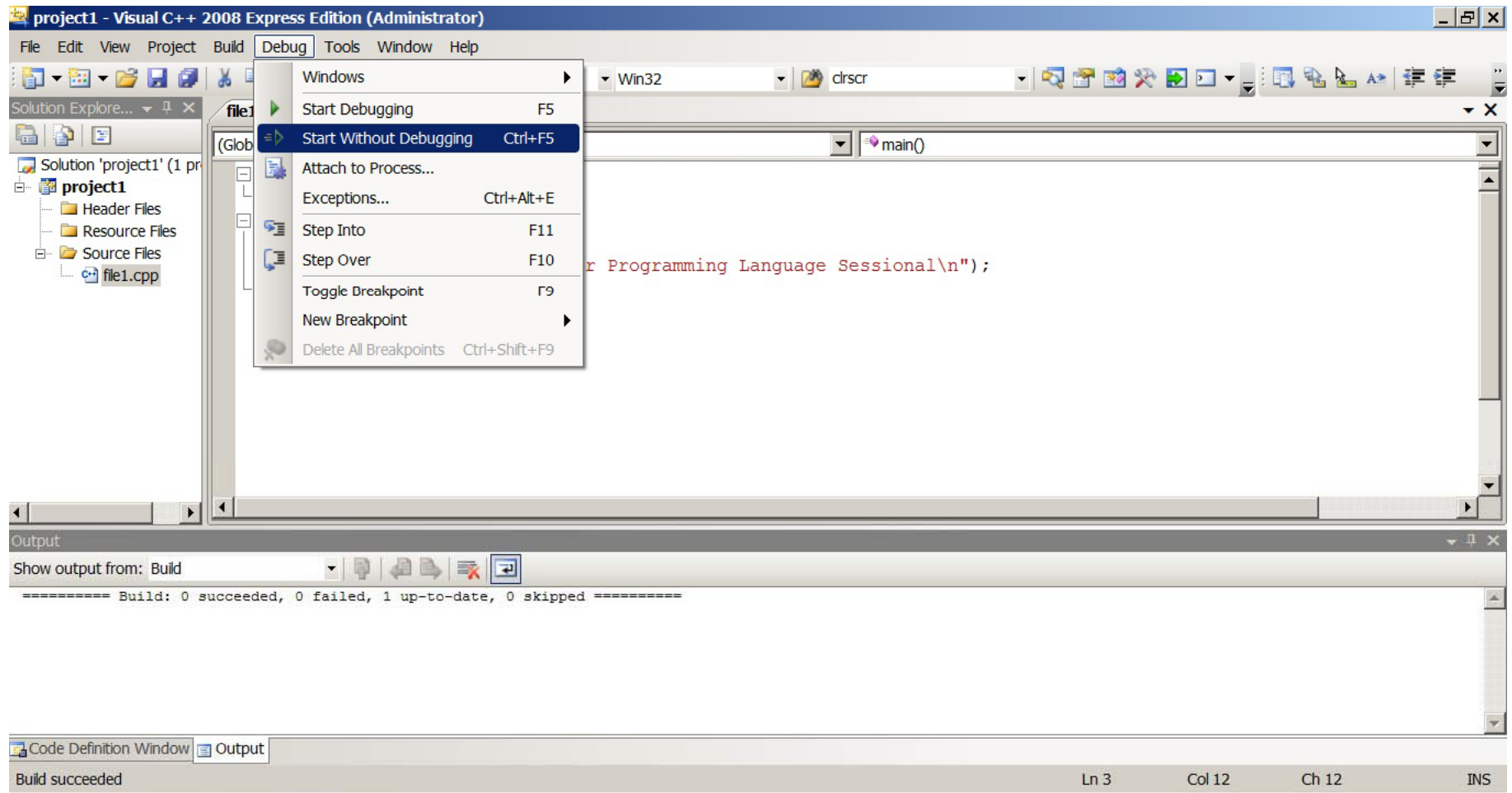
**To compile your program, On the Build menu, click Build Solution.**



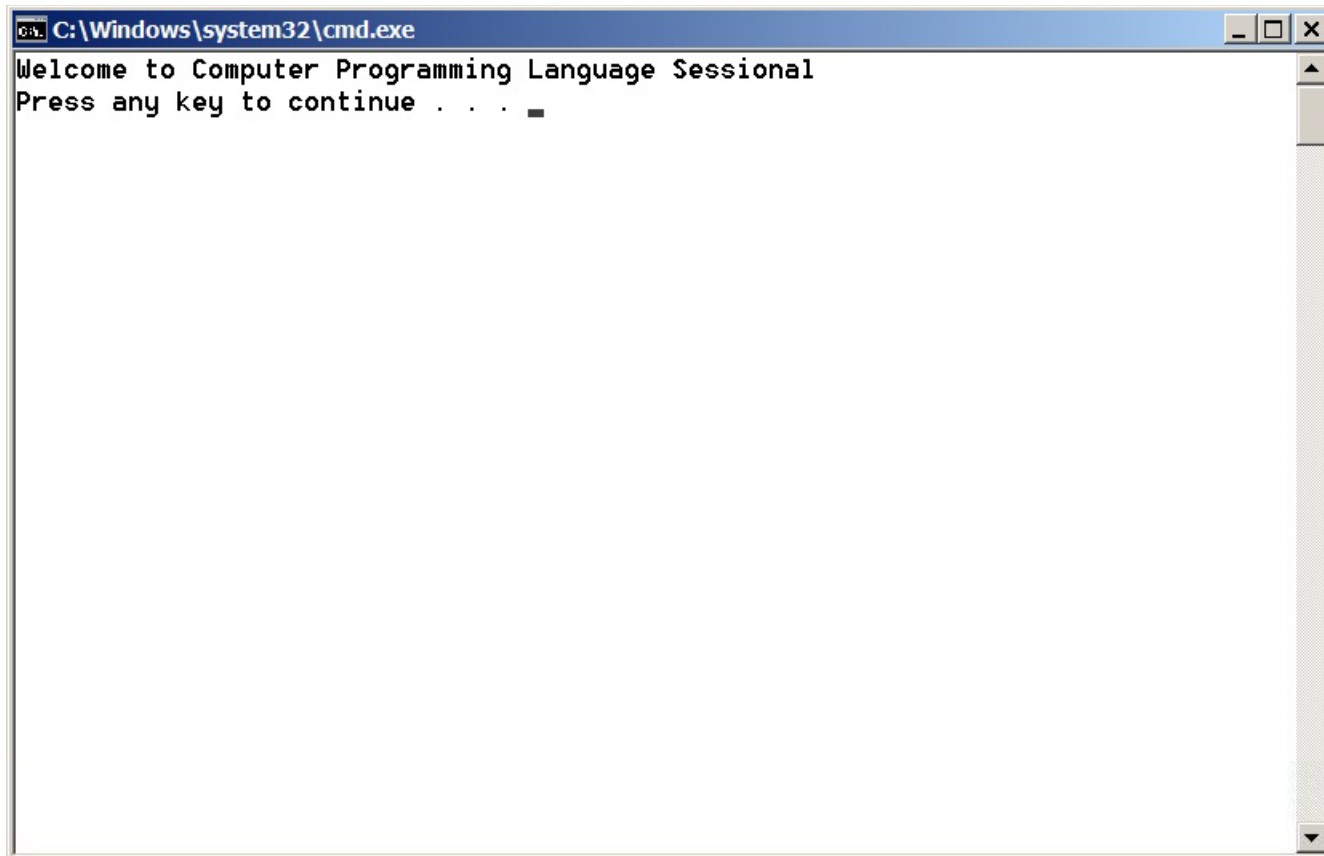
# Keep Focus on output sub window after compiling the program:



**To run your Application, On the debug menu click start without debugging.**



**Finally you get the following output message in a Command Prompt window :**



```
C:\Windows\system32\cmd.exe
Welcome to Computer Programming Language Sessional
Press any key to continue . . . █
```

The image shows a screenshot of a Windows Command Prompt window. The title bar at the top reads "C:\Windows\system32\cmd.exe" and includes standard window control buttons (minimize, maximize, close). The main area of the window contains the text "Welcome to Computer Programming Language Sessional" followed by "Press any key to continue . . . █". A vertical scrollbar is visible on the right side of the window.

Thanks