Basic Guideline To Run C#

To run C# code, Visual Studio is the best editor. Either you can choose console based application to run program directly or you can write program on notepad and then run them on visual studio command prompt.

Before staring complete C# tutorial, you must know the following guideline. It will help you to write and execute your c# program easily and hassle–free.

Basic Guideline:

We assume you are using Visual Studio.

Guideline 1. Must check proper opening and closing of curly braces {}.

Guideline 2. Your program should be properly nested.

Guideline 3. Press **F5** to execute your program.

Guideline 4. If you get exception, press **Ctrl+F5** to stop execution.

Guideline 5. If you encounter infinite loop press **Ctrl+C** to break execution.

Guideline 6. After completion of each segment, must do exercises at the end of this chapter. It will help you clear your concept and improve your programming skills.
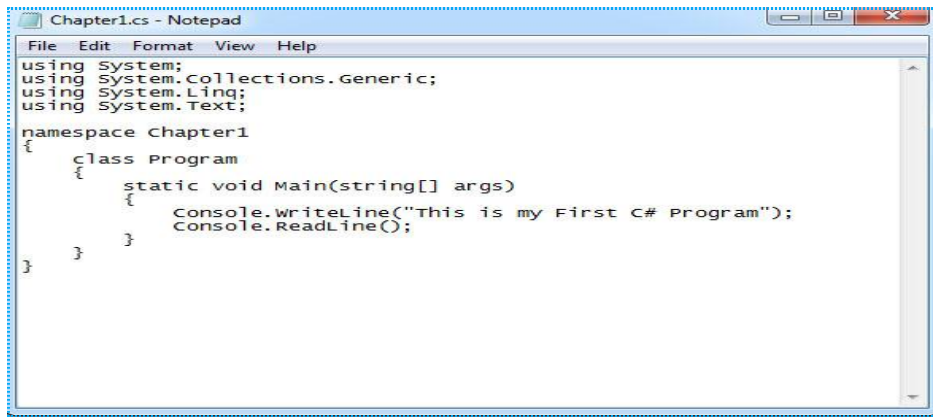
Guideline 7. Press **F11** continuously to see how your program executes.

C# programming is very easy to never be bored with this language. After some time, when you will cover basic segment, you will be surely confident in C# programming.

1. **Where To Write C# Code**

So, let's start with c sharp example. This chapter introduces about C sharp code editor. Before starting your practice it is necessary to know where to write C# code. Luckily, you can write C# program on your notepad as well as Visual Studio. You will learn step by step procedure about how to write, debug and execute C sharp program on your machine.
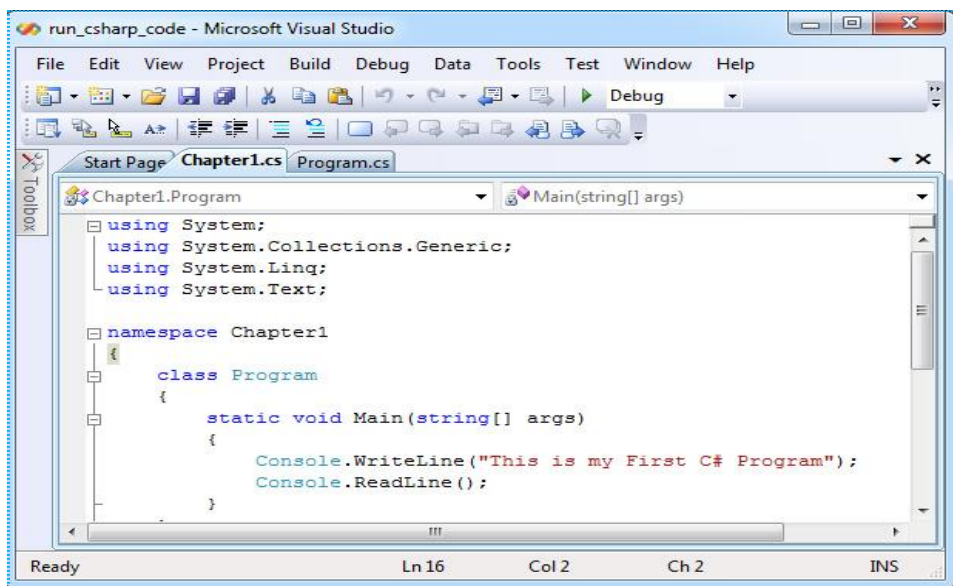
Using Notepad

Using Visual Studio 2005/2008/2012 or any version

2. How To Debug Or Execute C# Program In Notepad And VS?

It has been seemed with various beginners that they are able to understand C# concept but they got failed while implementing their logic into program. The best way to get rid of this types of problem is practice. So, just understand the program that is mentioned below and try to run C# code on your system.

USING NOTEPAD

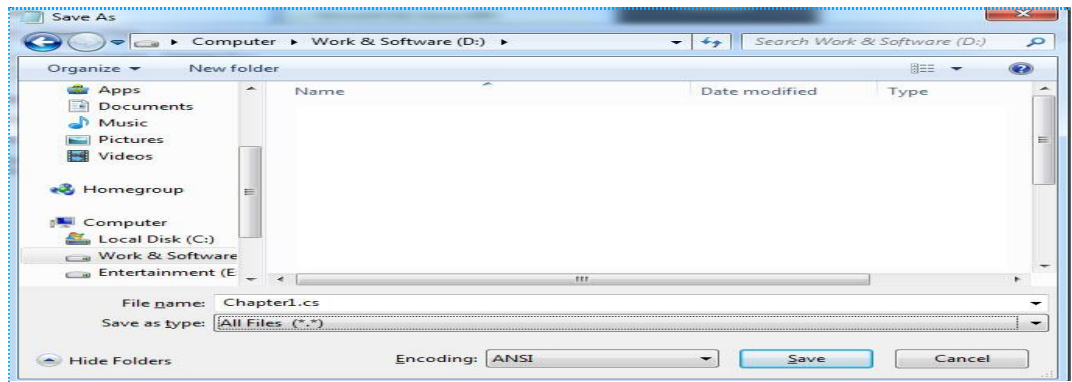**Step 1:** Open Notepad and write the following c# code carefully.

- using **System**;
- using **System.Collections.Generic**;

```
.    using System.Linq;
.    using System.Text;
.
.    namespace Chapter1
.    {
.        class Program
.        {
.            static void Main(string[] args)
.            {
.                Console.WriteLine("This is my First C# Program");
.                Console.ReadLine();
.            }
.        }
.    }
```
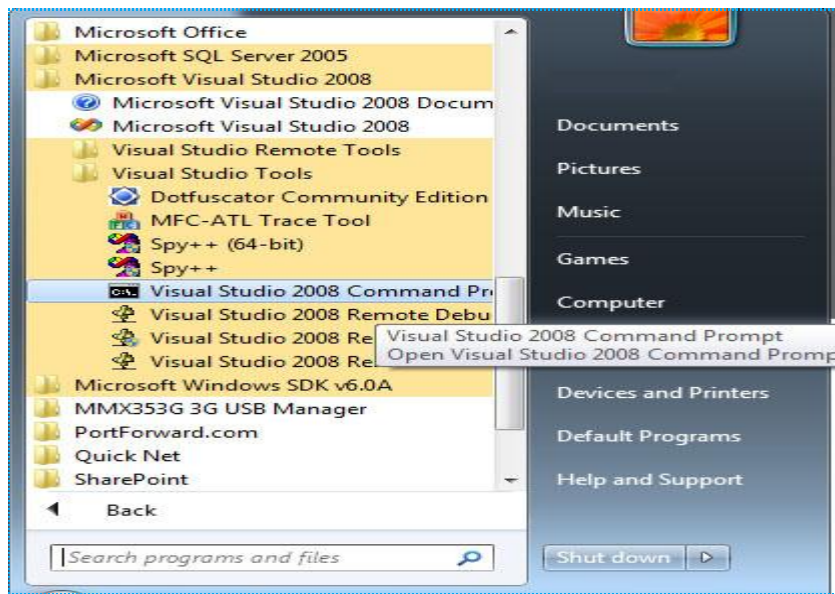
Step 2: Now save this program as **Chapter1.cs** in csharp Folder in D drive (Create csharp Folder in D Drive). You must choose All Files in save as type box.

Step 3: Go to Start > All Programs > Microsoft Visual Studio 2005 or 2008 > Visual Studio Tools > Visual Studio 2005 or 2008 Command Prompt.

Step 4: Set Path in command prompt where your Chapter1.cs file is saved. Here we are using D:/csharp.

- Type **D:** and hit Enter
- Now type **cd csharp** and hit Enter
- You are in Csharp Folder now.

Setting environment for using **Microsoft Visual Studio** 2008 x86 tools.

C:\Program **Files Microsoft Visual Studio** 9.0\VC>D:

D:\>cd csharp

D:\csharp> __

Step 5: Now compile your program by following command:

Setting environment for using **Microsoft Visual Studio** 2008 x86 tools.

C:\Program **Files Microsoft Visual Studio** 9.0\VC>D:

D:\>cd csharp

D:\csharp>csc **Chapter1**.cs

```
Microsoft Visual C# 2008 Compiler version 3.5.30729.4926 for Microsoft .NET Framework version
 3.5 Copyright Microsoft Corporation. All rights reserved.


D:\csharp> __
```

You will see some information like compiler version number and framework information. There is no error, so you won't get any error.

Step 6: Now, it's turn to C sharp program. Just write your file name without extension and hit enter.

```
Setting environment for using Microsoft Visual Studio 2008 x86 tools.


C:\Program Files Microsoft Visual Studio 9.0\VC>D:

D:\>cd csharp

D:\csharp>csc Chapter1.cs


Microsoft Visual C# 2008 Compiler version 3.5.30729.4926 for Microsoft .NET Framework version
 3.5 Copyright Microsoft Corporation. All rights reserved.


D:\csharp>Chapter1

This is my First C# Program

__
```
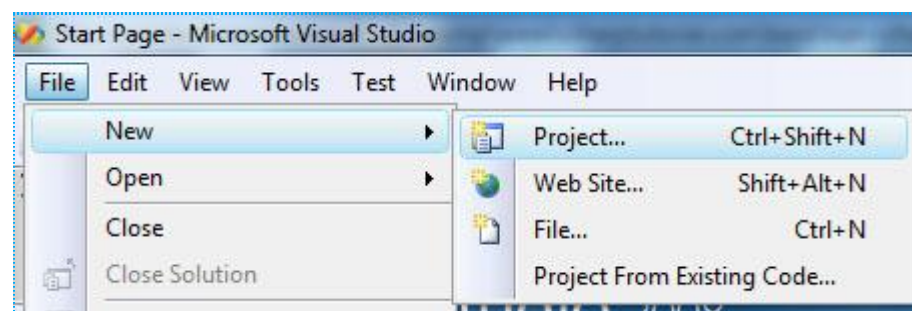
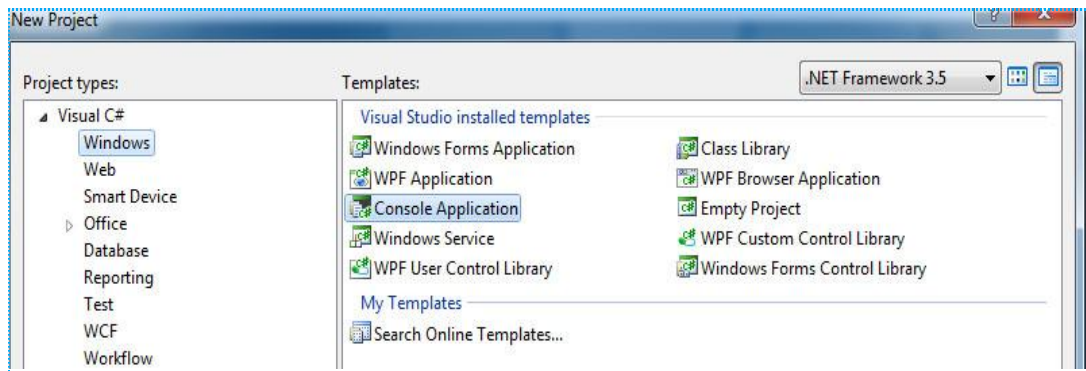**Step 7:** You will get the **This is my First C# Program** as output.

USING VISUAL STUDIO 2005/2008/2012 OR ANY VERSION

Visual Studio is easiest way to handle C# code. To execute the program on visual studio, go through the following steps:
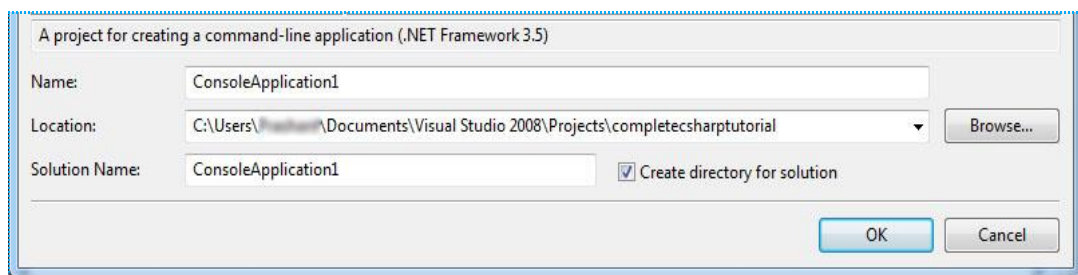
Step 1: Launch Visual Studio and go to **File > New Project**

Step 4: Visual Studio will open a code editor window including some necessary code.

Step 5: Now write the above mentioned code and press **F5** to run C# code.

Step 6: You will see the same output in Visual Studio Command Prompt.